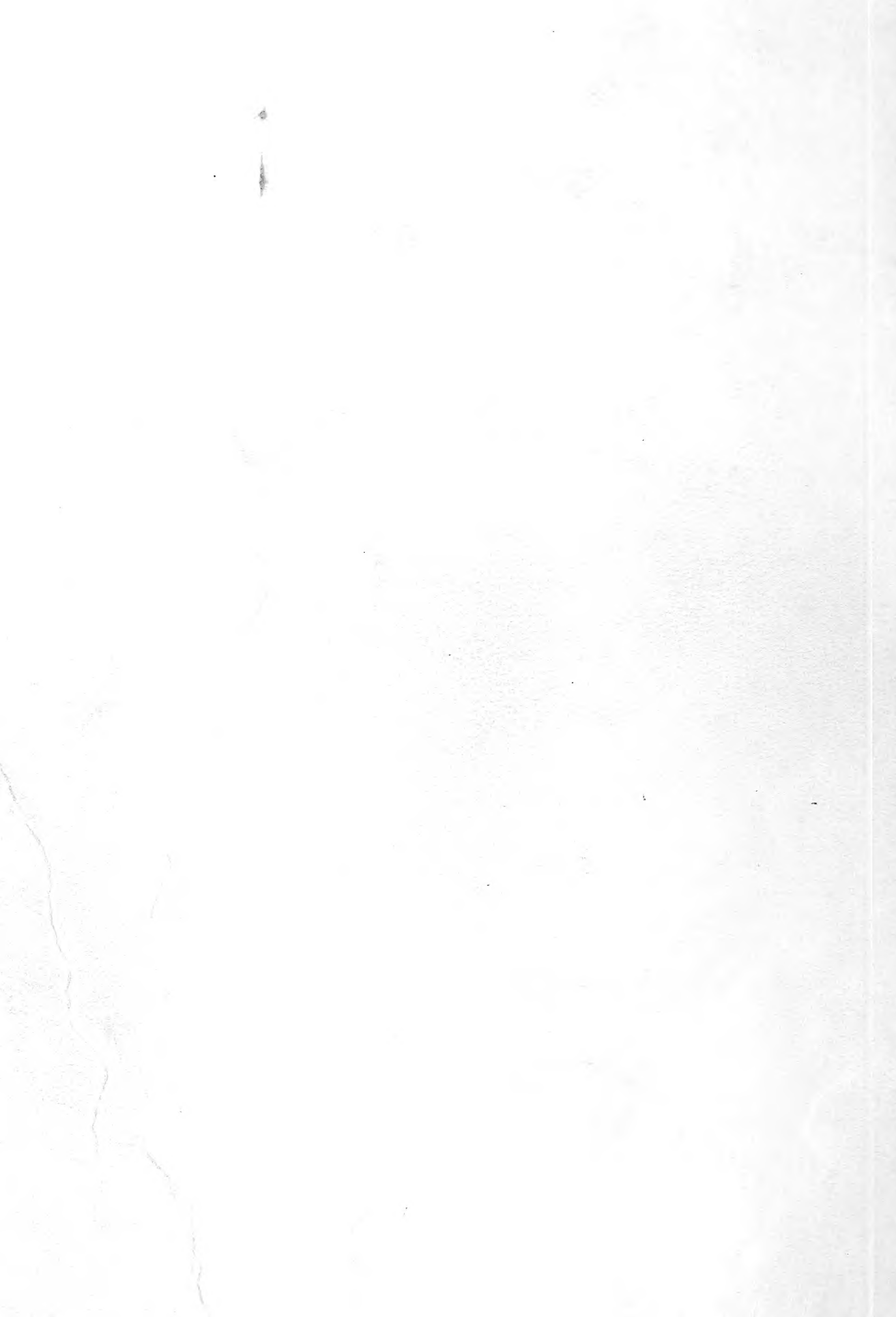


Historic, archived document

Do not assume content reflects current scientific knowledge, policies, or practices.



62.23

1947

LIBRARY
RECEIVED

★ JAN 24 1947 ★

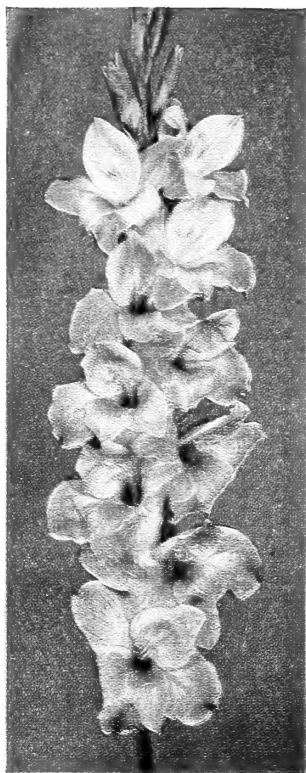
U S Department of Agriculture



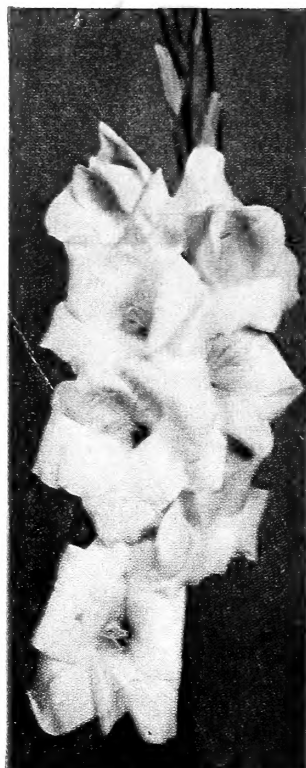
Vaughan's
GARDENING ILLUSTRATED
CHICAGO 10 W. Randolph St. NEW YORK 47 Barclay St.

VAUGHAN'S GIANT RAINBOW MIXTURE OF
RUST-PROOF SNAPDRAGONS. (See Page 9)

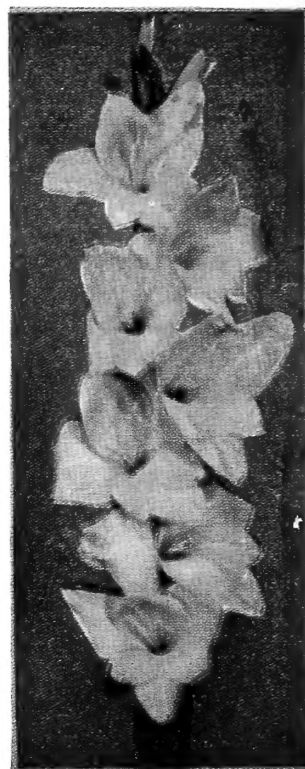
71st year • 1947



CHAMOUNY



SNOW PRINCESS



GOLD DUST

Vaughan's

Famous Rainbow Garden of Gladioli

Fifty flowering size bulbs, ten each of the 5 outstanding varieties illustrated on this page. Each variety separately bagged and labeled. Prepaid 600 miles for **\$2**

Half-portion, 5 Bulbs Each of the 5 Varieties Illustrated, Prepaid 600 Miles for \$1.00

Though high costs and reduced production continue, with supply far short of demand, three new and better varieties have been included for 1947 in our famous Rainbow Garden of Gladioli, which for so many years we have maintained as the best gladiolus value available to American home gardeners. There is no increase in price, with the quality of the bulbs fully maintained. Bulbs used in our Rainbow

Garden of Gladioli are not first size, but they are of flowering size, the same size we use in growing exhibition blooms. They will make flowers of the largest size, though they may take a few days longer to bloom than larger bulbs. But the crop of new bulbs produced for next year's planting will be equal, or larger, than would be harvested from larger bulbs.

A purchase is thus an investment which should not only yield gorgeous flowers of top quality next summer, but many more bulbs than you planted, to be grown in years to come.

Our 1947 collection of 50 bulbs, prepaid 600 miles for \$2, includes 10 each of the five varieties illustrated on his page, described as follows:

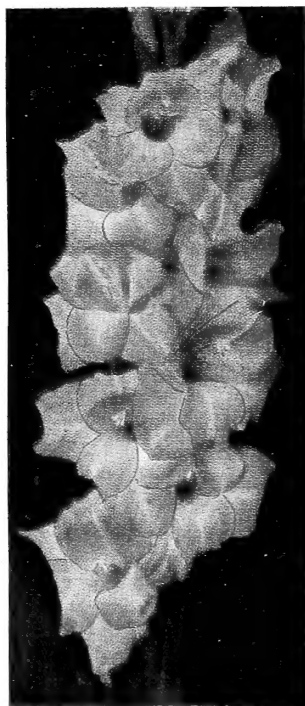
Chamouny (Baerman) Dec. A delightful blend of rich cerise edged with light rose, with florets perfectly placed on a slender, straight spike, presenting a flawless plume of color.

Snow Princess (Pfitzer) Ex. Best white from this master breeder, a tall and vigorous grower with huge pure white florets of typical Pfitzer form, well placed and overlapping.

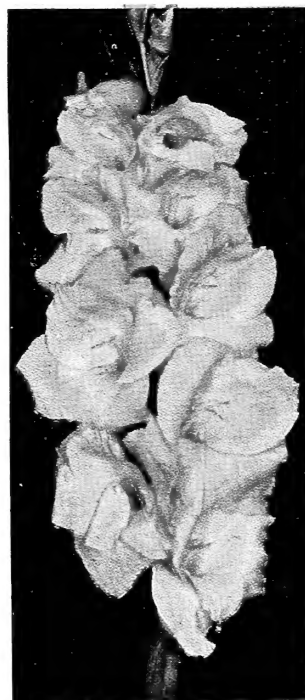
Gold Dust (Pfitzer) S.D. A deep, rich yellow self color of good size and ideal form, which will win over larger flowers because of its perfect finish.

Beacon. Tall, giant flowered salmon-scarlet, one of the largest of all. As the illustration shows its magnificent spikes will show ten florets fully open before the bottom floret fades, giving a stunning plume of color.

Picardy. No collection would be complete without Picardy, which is still undisputed champion of all. Supreme in its delicate coloring of apricot pink, it is also a giant in size, and a model in form with its perfectly placed florets, of which ten open before the first fades.



BEACON

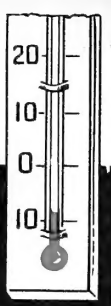


PICARDY

VARIETIES SUBJECT TO CHANGE AFTER APRIL FIRST

SUB-ZERO ROSES

3 for \$4.50



Everblooming Hybrid Tea Roses, One Each as Listed, Collection 1B

A new race bred from Northern native species that have beautiful flowers and that bloom freely and constantly all summer. They are easy to grow, have great vigor and live for many years, even in sub-zero winters.

PINK PRINCESS (Pat. 459). Red buds open to large double, high centered, fragrant flowers of deep rose-pink with copper shadings. Famous as the first Hybrid Tea rose, free from premature defoliation. \$1.65.

SHADES OF AUTUMN (Pat. 542). Brilliant new bicolor with orange-copper and carmine shadings. Beautiful, fragrant flowers produced continuously all season. Disease resistant foliage. \$1.65.

V FOR VICTORY (Pat. 543). One of the finest roses in existence. The color is a real yellow, with fragrant, unfading flowers developing from fine buds. The flowers are sometimes 5 inches in diameter, on long stiff stems and are excellent for cutting. \$1.75.

**ALL AMERICAN
Winners!**
3 for \$5.50

(Value \$6.00) All America Rose Selections.
Everblooming Hybrid Tea Rose
Collection 1C

These are Roses selected by the Rose Council after two-year tests in 18 Official All America Rose Selection test gardens. Only a rose that gives good results in all parts of the country can pass their rigid tests.

FRED EDMUNDS. AARS 1944. (Pat. Pending). A spectacular Rose, so rich in color you can hardly believe your eyes. The long, pointed buds of burnt orange, on long stems, open to beautiful flowers of clear sparkling orange. A fine garden variety that has an abundance of bloom and extra good foliage. \$2.00; 3 for \$5.50.

KATHERINE T. MARSHALL. AARS 1944. (Pat. 607). Long pointed buds of exquisite coral pink open to very large, full cupped blooms of warm glowing pink; fruity fragrance. A marvelous grower and producer of long stemmed roses. \$2.00; 3 for \$5.50.

MIRANDY. AARS 1945. (Pat. 632). The first place winner for 1945. The large, long pointed, ovoid buds, are a deep rich dark red with black shadings, opening to a gorgeous Chrysanthemum-red. The huge 50-petaled flowers are long lasting; have a wonderful fragrance, and are produced continuously all season. \$2.00; 3 for \$5.50.

Everblooming Hybrid Tea

Roses

5 FOR
\$6.50

CHRISTOPHER STONE

ALL these Roses will bloom in your garden this summer, if planted according to simple directions furnished with the plants. Before winter comes they should have borne for you hundreds of lovely blossoms, beginning in June and continuing without interruption until killing frosts. Our plants are finest two year budded plants that are produced. The varieties are of the newest type, some of the very latest to make their debuts. Plant dormant Rose bushes as soon as the soil thaws and dries out enough to be prepared properly. As soon as dormant Roses are properly pruned and planted, hill them up with 3 or 4 inches of moist soil. This keeps the wind from drying the plants and helps them to leaf out more quickly. Remove the soil gradually as the plants begin to grow.

One Each of These Five Varieties
Value \$7.20 for \$6.50, by Express (Collection 1A)

CHRISTOPHER STONE. Classed with Etoile de Hollande and Crimson Glory as one of the three finest red roses in existence. All season the fine plants produce quantities of brilliant, glowing, velvety scarlet blooms of good form and delicious old rose fragrance. Rated by the rose experts as being one of the 10 best roses introduced in the last 10 years. \$1.50; 3 for \$4.25.

McGREDY'S YELLOW. Beautifully formed buds of pure, light buttercup yellow; open flowers cup-shaped with a mass of golden anthers glorifying the center. \$1.35; 3 for \$3.85.

CONDESA de SASTAGO. Everyone likes this spectacular Rose with its cupped flowers of orange-scarlet on the inside and yellow on the outside. Strong grower with heavy foliage; fragrant; free flowering. \$1.35; 3 for \$3.85.

ETOILE DE HOLLANDE. A brilliant dark red Rose of magnificent size and perfect form. Vigorous grower, heavy bloomer; flowers deliciously fragrant and beautiful in all stages of development. 1.50; 3 for \$4.25.

THE DOCTOR. An outstanding pink rose. The buds are long and pointed and expand to enormous blooms of beautiful, glowing rosy pink. Intensely fragrant; excellent for cutting. Rated by rose experts as being one of the 10 best roses introduced in the last 10 years. \$1.50; 3 for \$4.25.

When varieties listed are sold out, we reserve the right to substitute equal value. See Pages 98-99 for Complete List of Roses.

All Roses are shipped via express from Western Springs, Ill., or may be shipped via parcel post if postage is sent. Allow 1 lb. for each plant. See order blank for postage rates. (No Roses are shipped C.O.D.).

NEW ROSE PEACE
1946 All American Champion
For description and prices of this highest scoring introduction see page 98.

We will be unable to accept orders for Roses after April 15th.

Keep Your Lawn BEAUTIFUL

with
Vaughan's
LAWN
MIXTURES



First step toward correcting neglect due to war should begin with the lawn. If yours has suffered during the busy years just passed, repair it this spring. Without reseeding, feeding and good care a lawn quickly suffers; and the longer it goes without proper attention, the more difficult it is to repair.

Well advised lawn makers will avoid sowing the cheap mixtures which flood the market adulterated with quick show grasses such as timothy, a hay seed whose coarse stems ruin the lawn. Buy only seed on the quality of which you can depend.

Our standard lawn mixture, VAUGHAN'S CHICAGO PARKS, is composed of hardy grasses blended together in suitable proportions to produce a fine permanent turf. We are pleased to announce that this year we are adding a liberal amount of the new Creeping Red Fescue, a new strain developed by scientific breeding methods. This fine leaved grass spreads from the roots, blends well with other grasses, and so thickens the turf as to help crowd out weeds.

Price, 1/2 lb., 60c; 1 lb., \$1.00; 2 lbs., \$2.00; 3 lbs., \$2.95; 5 lbs., \$4.85; 10 lbs., \$9.50; 15 lbs., \$14.15; 20 lbs., \$18.75; 25 lbs., \$23.25; 100 lbs., \$89.00.

We offer this mixture without clover under the name "Vaughan's Fairway Formula"—Prices same as "Chicago Parks."

Vaughan's Special Purpose Mixtures

We recommend our lawn mixtures, composed of suitable varieties of grass seed, because results are more satisfactory from a correct combination of grasses than from a variety sown alone. Our grass seed division has long been known as an authority on growing fine turf, and for the guidance of our customers we send our booklet on lawn-making upon request and without charge. A copy of this booklet is enclosed in every carton and bag of Vaughan's lawn seed mixtures.

For Your Protection—Always remember that we neither buy nor sell seeds that are not tested in our own officially recognized laboratory for purity, germination, identity and freedom from weeds.

Vaughan's "Columbian"

Formula for Shady Lawns or Sandy Soil

In making a lawn on sandy soil or in partial shade, conditions are met which require the use of a special grass seed blend. Vaughan's "Columbian" is the correct blend for such locations.

Price, 1/2 lb., 60c; 1 lb., \$1.00; 2 lbs., \$2.00; 3 lbs., \$2.95; 5 lbs., \$4.85; 10 lbs., \$9.50; 15 lbs., \$14.15; 20 lbs., \$18.75; 25 lbs., \$23.25; 100 lbs., \$89.00.

Vaughan's Dense Shade Formula

An exceptional formula which is particularly adapted to heavily shaded areas and will also do well in lighter shade. We have spared no care or expense to make this lawn seed the best obtainable for the purpose. Follow instructions in our lawn booklet for growing grass in the shade. Does not contain clover.

Price, 1/2 lb., 60c; 1 lb., \$1.00; 2 lbs., \$2.00; 3 lbs., \$2.95; 5 lbs., \$4.85; 10 lbs., \$9.50; 15 lbs., \$14.15; 20 lbs., \$18.75; 25 lbs., \$23.25; 100 lbs., \$89.00.

Quantity to Use—On new lawns, use 1 lb. for every 300 square feet; 5 lbs. for 1500 square feet; 135 to 150 lbs. for one acre. To replenish lawns where turf is thin, use half quantity.

VAUGHAN'S No. 25 LAWN FORMULA

An economy blend for new seedings and quick results which should be followed by reseeding with a more permanent blend like our "Chicago Parks." In spite of its low price, this blend does not contain timothy. Sow at the rate of 1 lb. to every 200 sq. ft. Begin cutting when grass is 3 to 4 inches high and continue to cut regularly to keep turf fine. Price, 1 lb., 75c; 2 lbs., \$1.50; 3 lbs., \$2.20; 5 lbs., \$3.60; 10 lbs., \$7.00; 15 lbs., \$10.40; 20 lbs., \$13.75; 25 lbs., \$17.00; 100 lbs., \$64.

Vaughan's "Private Estate" Bent Formula FOR LAWNS "DE LUXE"

This formula contains over 98% pure seed and is free of all noxious weeds. In addition to Kentucky Blue Grass of the highest quality, to insure a durable and resistant foundation for your lawn, it includes an important proportion of Certified Bent. It produces a heavy turf of very fine texture.

This mixture is equal or better in purity to the highest priced mixtures on the market and most important, contains more bent seed. It is the best value on the market.

Price, 1 lb., \$1.15; 2 lbs., \$2.30; 3 lbs., \$3.40; 5 lbs., \$5.60; 10 lbs., \$11.00; 15 lbs., \$16.40; 20 lbs., \$21.75; 25 lbs., \$27.00; 100 lbs., \$104.

Bent Lawns from Certified Seed

Ask for Our Bent Leaflet

Bent grasses are increasingly popular for lawns, especially in cities where lawns are small in area and extra care is not burdensome.

Seed at the rate of 3 to 4 lbs. per 1,000 sq. ft.

ASTORIA BENT. Astoria Bent is identified by its numerous rootstocks which spread underground and throw up new shoots, making a very thick turf, and by the presence of runners above ground in the early stages of development. This Bent has a good color and is excellent as both a lawn and putting green grass. It does not require as much cutting as Creeping Bent. We highly recommend this type.

SEASIDE BENT. This is a true unmixed Creeping Bent grass seed which spreads by surface runners instead of by the underground root stalks which characterize the Astoria Bent.

Our Bent Leaflet Is Included in Each Bag

ASTORIA BENT GRASS. Price, 1/4 lb., 60c; 1/2 lb., \$1.00; 1 lb., \$1.75; 2 lbs., \$3.50; 3 lbs., \$5.20; 5 lbs., \$8.50; 10 lbs., \$16.75; 15 lbs., \$24.75; 20 lbs., \$32.60; 25 lbs., \$40.00.

SEASIDE CREEPING BENT GRASS. Price, 1/4 lb., 55c; 1/2 lb., 95c; 1 lb., \$1.70; 2 lbs., \$3.40; 3 lbs., \$5.05; 5 lbs., \$8.25; 10 lbs., \$16.25; 15 lbs., \$24.00; 20 lbs., \$31.60; 25 lbs., \$38.75.

SEE PAGE 86 FOR PRICES ON OTHER GRASSES AND FIELD SEEDS

7 Choice Hardy Garden Chrysanthemums

\$4²⁵

These early, free flowering varieties have proved their hardiness and can be depended upon for a brilliant fall display lasting until hard freezing weather.

AVALANCHE. One of the best whites. Four inch flowers.

A perfect cut-flower type; early flowering on tall, stems.

GRANNY SCOVILL. Golden bronze, large flowers medium tall. Blooms Oct. 10th.

HARBOR LIGHTS. A new pompon. Pale yellow and creamy white. Two feet high, prolific, very early.

LAVENDER LADY. A true lavender, 3 inches or more across, spaced perfectly on branching spray. One of the finest.

MRS. PIERRE S. DUPONT III. Soft peach, tinted rosy-salmon. Large flowers on tall branching stems. Blooms early October.

RED VELVET. Velvet crimson. Does not fade. Heavy foliage. Flowers early October.

TREASURE TROVE. Medium size double lemon yellow flowers. Prolific bloomer. Low and bushy habit.

Price of the above varieties: 75c each; 3 for \$2.00.

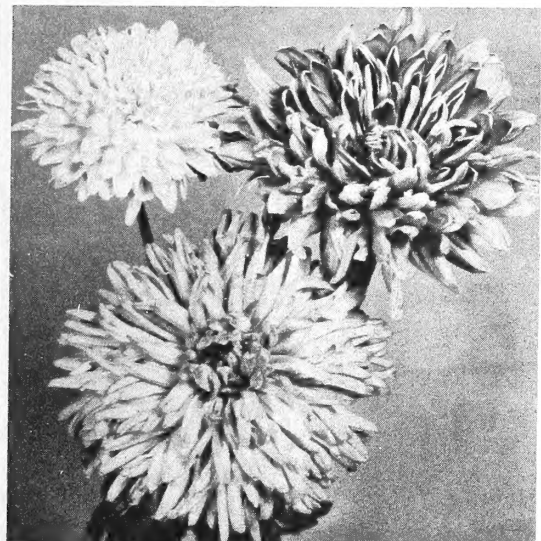
COLLECTION No. 3A. 1 each of the above seven for \$4.25.



RED VELVET

4 New Hardy English Chrysanthemums

\$2⁵⁰



TYPE OF ENGLISH CHRYSANTHEMUM

Rivalling in size the greenhouse chrysanthemums of this country these English chrysanthemums blossom much earlier, giving a dazzling fall garden display. Plants give abundant bloom, and by disbudding impressive single specimens can be grown.

MRS. T. GUTHRIE. Bright chestnut red with bronze reverse. A very large and early variety.

INDIANA. Rich velvety crimson, shaded darker in the center. Fine long stems. Good disbudded or in sprays. Early bloomer.

EARLY SALMON. Salmon-rose blend. Low growing, very early blooming. Flowers good size and really beautiful.

STELLA. Clear, bright pink. Wiry stems, small foliage and free, early flowering.

Price of the above varieties: 75c each; 3 for \$2.00.

COLLECTION No. 3. 1 each of the above—4 English Chrysanthemums for \$2.50.

SPOON TYPE MUMS

GOLDEN SPOON. Golden bronze.

JASPER SPOON. Yellow tubes, red spoons.

ORCHID SPOON. Orchid pink.

ROSE SPOON. Rose pink.

YELLOW SPOON. Clear golden yellow.

Price, each of above, 65c; 3 for \$1.75.

COLLECTION No. 3D. 1 each of the above—5 for \$2.70.

SEPTEMBER SERIES

SEPT. BRONZE. Golden bronze.

SEPT. CHEER. A new rich cherry red.

SEPT. DAWN. Bright rose pink.

SEPT. CLOUD. White shading to primrose.

SEPT. GOLD. Golden yellow.

Price, each of above, 75c; 3 for \$2.00.

COLLECTION No. 3E. 1 each of the above—5 for \$2.95.

CHOICE KOREAN TYPE MUMS

ALGONQUIN. Brilliant yellow, very early.

AUTUMN LIGHTS. Copper bronze, very striking, early.

CALIPH. Ox-blood red, early.

JACKIE. Wine-red, a new variety.

SEQUOIA. Mellow amber with variations.

Price, each of above, 60c; 3 for \$1.50.

COLLECTION No. 3F. 1 each of the above—5 for \$2.35.

NEW CUSHION OR AZALEA-LIKE MUMS

As the illustration shows, the compact, mound-like plants of these exceptionally early varieties are completely covered with flowers, which remain at top quality for a long season.

DWARF JEWEL. Soft lilac lavender pompon.

GLACIER. Absolutely pure white. Very early.

JOAN HELEN. Brilliant, large semi-double. Rich garnet with yellow eye

Smothered in blooms in September. One of the most beautiful.

SONJA. Rich satiny purple. A new and striking variety.

Price of the above, 75c each; 3 for \$2.00.

COLLECTION No. 3B. 1 each of the above four—\$2.50.

STANDARD CUSHION VARIETIES

BRONZE CUSHION. Deep bronze turning coppery yellow.

GOLDEN CUSHION. Uniform golden yellow.

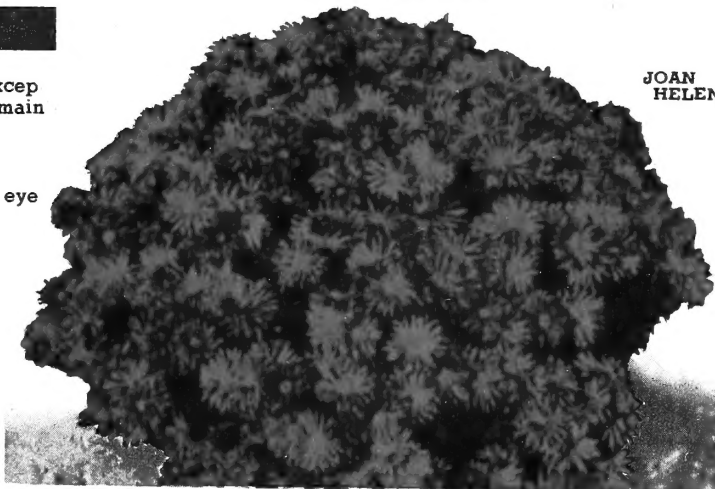
PINK CUSHION. Myriads of bright pink flowers.

RED CUSHION. A select rich, glowing red.

YELLOW CUSHION. A distinctive bright yellow.

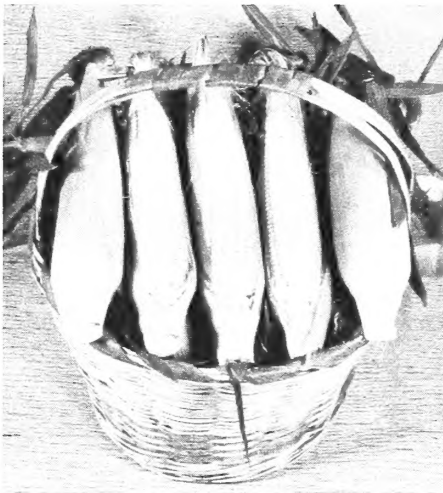
Price of the above varieties: 60c each; 3 for \$1.50.

COLLECTION No. 3C. 1 each of the above five—\$2.35. (3)



JOAN HELEN

Newer Vegetables



HYBRID SWEET CORN GOLDEN CROSS. 15c.

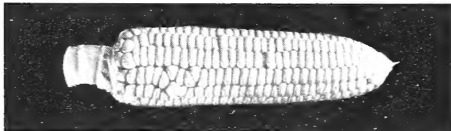
Hybrid Sweet Corn Team

Plant the four varieties illustrated below at the same time to produce an all season harvest of highest yield and quality. 2 oz. of each variety in separate packets totaling **45¢**
½ pound.

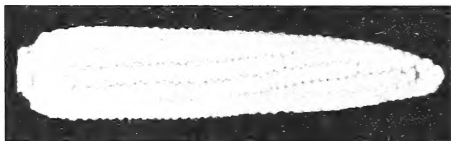
Each variety listed below, ordered separately: Pkt., 15c; ½ lb., 35c; lb., 60c; 2 lbs., \$1.10.

Annual tests are made in our trial grounds of both new and old hybrid varieties. On the basis of these tests the four varieties below were chosen as the best available in 1947 to give the longest harvest season coupled with highest quality and best yield.

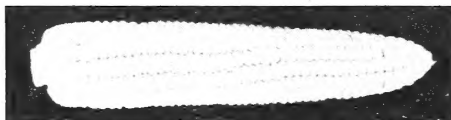
Golden Cross. 79 days. As sweet as Golden Bantam, with a much larger ear, this is deservedly most popular of hybrids. Ears are 12 to 14 rowed, nearly eight inches long. Highly resistant to Stewart's disease.



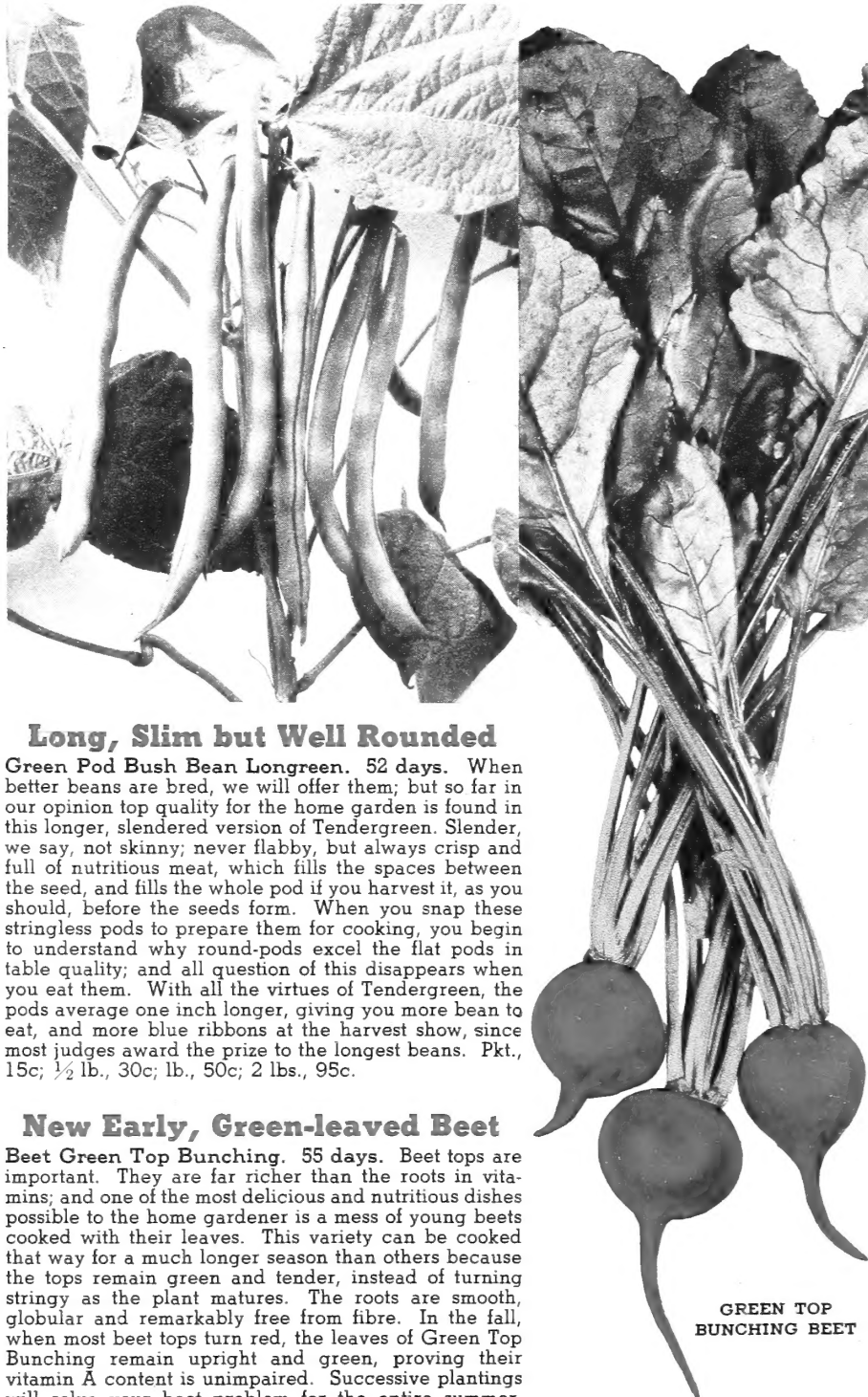
Surprise. 64 days. The earliest hybrid variety of good quality, this is ready for the table in eight weeks from sowing and will surprise you by its sweetness and yield.



Marcross 39. 72 days. The second early of this group, it is sweeter than Surprise, with larger ears. It gives a heavier yield and has a longer harvest season.



Golden Label. 83 days. A new late hybrid of exceptional tenderness; its kernels are almost completely without hulls. Its large ears are produced in the greater abundance usual with late varieties, and the harvest season carries well into autumn.



Long, Slim but Well Rounded

Green Pod Bush Bean Longgreen. 52 days. When better beans are bred, we will offer them; but so far in our opinion top quality for the home garden is found in this longer, slender version of Tendergreen. Slender, we say, not skinny; never flabby, but always crisp and full of nutritious meat, which fills the spaces between the seed, and fills the whole pod if you harvest it, as you should, before the seeds form. When you snap these stringless pods to prepare them for cooking, you begin to understand why round-pods excel the flat pods in table quality; and all question of this disappears when you eat them. With all the virtues of Tendergreen, the pods average one inch longer, giving you more bean to eat, and more blue ribbons at the harvest show, since most judges award the prize to the longest beans. Pkt., 15c; ½ lb., 30c; lb., 50c; 2 lbs., 95c.

New Early, Green-leaved Beet

Beet Green Top Bunching. 55 days. Beet tops are important. They are far richer than the roots in vitamins; and one of the most delicious and nutritious dishes possible to the home gardener is a mess of young beets cooked with their leaves. This variety can be cooked that way for a much longer season than others because the tops remain green and tender, instead of turning stringy as the plant matures. The roots are smooth, globular and remarkably free from fibre. In the fall, when most beet tops turn red, the leaves of Green Top Bunching remain upright and green, proving their vitamin A content is unimpaired. Successive plantings will solve your beet problem for the entire summer. Pkt., 15c; ½ oz., 25c; oz., 40c; ¼ lb., 95c.

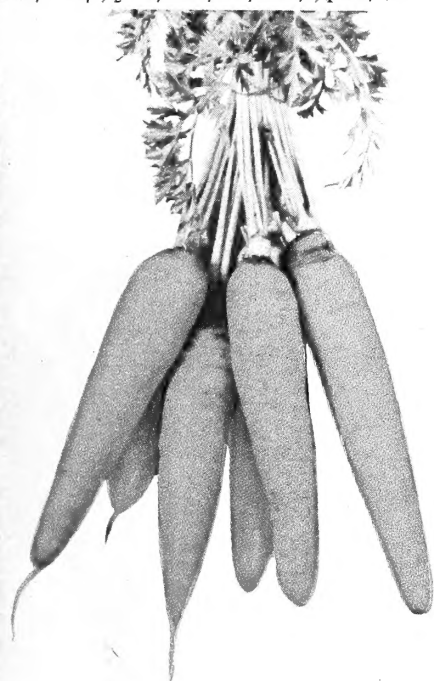
GREEN TOP
BUNCHING BEET

Largest, Sweetest, of Early Melons

Muskmelon Pride of Wisconsin. 85 days. Spring comes late in Wisconsin and a melon must be early to ripen in time for a good harvest. Many good ones have come from this state—Milwaukee Market, and Bender's Surprise among them. Pride of Wisconsin is like them, but an improvement on both. Its huge size, thick flesh and marvelous flavor will delight the whole family, since one fruit serves five abundantly. Pkt., 15c; oz., 45c; $\frac{1}{4}$ lb., \$1.35

When a Carrot's Heart is Sweet, It's a Honey

Carrot Sweetheart. 70 days. This well named carrot, like most, has a core (call it a heart) but you can hardly see it, and unlike most others, the heart is quite as tender and almost as sweet as the thick outer layer of its root. The deep orange coloring extends through all the flesh. This is a product of French breeders who have a flare for carrots; and an improvement on the type which includes Nantes and Touchon, long quality leaders. It has the blunt end, slender cylinder shape, averaging $1\frac{1}{2}$ by 6 inches. Pkt., 20c; $\frac{1}{2}$ oz., 40c; oz., 70c; $\frac{1}{4}$ lb., \$1.75.



CARROT, SWEETHEART

Sweet Corn for Small Gardens

Sweet Corn Golden Midget. 70 days. On stalks $2\frac{1}{2}$ to 3 feet tall, this dwarf sweet corn bears 4 to 5-inch ears which are extremely sweet and tender. More plants can be grown in limited space and the low stalks do not shade neighbors in the small garden as standard varieties would. This makes it possible to produce a crop where other varieties would not be practical. Many stalks bear two or more ears, giving a very satisfactory total yield. Pkt. (2 oz.) 35c.

Dark, Handsome Cucumber

Cucumber Cubit. 60 days. Salad addicts prefer them dark, and the fashion nowadays is to slice the cucumbers without removing the skin, which contains most of the vitamins which this fruit possesses. In a cucumber beauty contest this variety would win on its shape as well as its complexion; and its 6 to 8 inch fruits are of the highest table quality. Pkt., 10c; oz., 35c; $\frac{1}{4}$ lb., \$1.00; lb., \$3.00.



SWEET CORN, GOLDEN MIDGET

Four Long-Season Lettuces

Since hot weather sends most lettuces to seed, the longest harvest in spring and early summer is given by those that stand heat best. Two leaf, and two heading varieties that excel in this respect are listed below.

Lettuce Oak Leaf. 40 days. We still rate this best for the home garden on many counts. It is the earliest, tenderest, and most heat resistant we know, and many times richer in precious vitamins than the tight heading types. Its leaves mature in a loose rosette which turns crisp and cream colored at the base. Pkt., 20c; $\frac{1}{2}$ oz., 40c; oz., 70c.

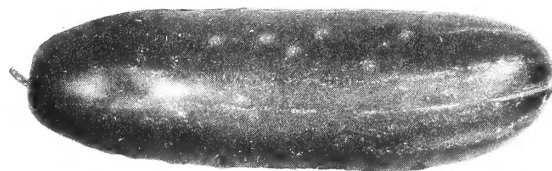
Lettuce Bronze Beauty. 40 days. Bronze Medal, 1946, All America Trials. The chief difference between this and Oak Leaf is a bronze tinge in its leaves, a characteristic usually accompanied by increased resistance to hot weather. Pkt., 25c.

Great Lakes. 75 days. Of the California Iceberg type, this variety will make tight heads in the hot weather of the middle west, when grown in fertile soil with ample spacing between the plants. Pkt., 20c; $\frac{1}{2}$ oz., 40c; oz., 70c.

Imperial No. 456. 80 days. Cornell University bred this California Iceberg type for Easterners who wish to grow head lettuce in July and August. Stands high temperatures and is free from tipburn. Pkt., 20c; $\frac{1}{2}$ oz., 40c; oz., 70c.



OAK LEAF LETTUCE



CUCUMBER, CUBIT



GREAT LAKES LETTUCE



TOMATO, GIANT TREE

Giant Tree Tomato Is A Sensational Success

Tomato Giant Tree. 90 days. Never have we received more expressions of delight from customers, than reached us last summer from growers of Giant Tree tomato, which we had catalogued for the first time.

Not only its size (averaging 1 to 1½ pounds, with many 2 pounders and over); its smooth roundness (best shape of any big one we know), and its amazing vigor (Joseph V. Vlack in Chicago grew a plant over 10 feet high, as illustrated), but its supreme firmness and non-acid flavor were praised.

George C. Cooper, of St. Paul, Minn., who ought to know tomatoes after 40 years of growing them, wrote: "Your catalog described your Giant Tree Tomato at 50 cents a packet, and I fell for it and am now writing to report the most satisfactory results of my 40 years of tomato raising. I have 20 hills of this variety and they are producing from 10 to 15 per hill and some of them are 2 to 2½ pounds in weight; will average 1 to 1½ pounds and very smooth, with no cracks; they are solid and meaty with very little juice and slice like a watermelon. The flavor is wonderful, and for a slicing tomato would be hard to beat and their pink color makes them very attractive."

Joseph B. Vlack's Chicago garden is five feet square. He grew four plants of Giant Tree in this space. The one illus-



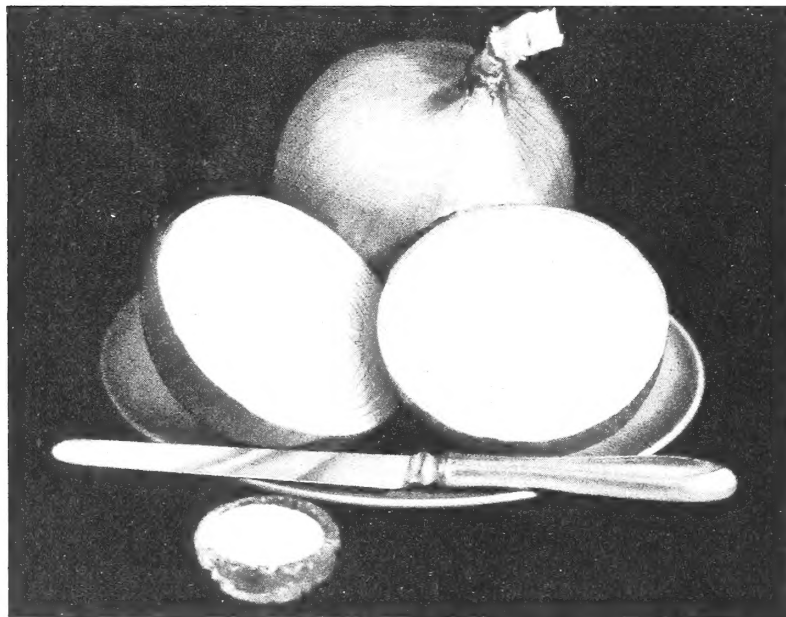
trated received the most sun, and reached 10 feet 2 inches in height; the plants averaged 14 tomatoes, each over a pound.

Such vigorous growth calls for lots of food and water, to both of which this variety makes an amazing response. In our trials we grew many plants, pruned to a single stalk, and tied to stakes; and this is the procedure we recommend for average gardens. See illustration to the left for example.

Illustrated above is a sliced specimen on a salad plate, showing its solid interior, with small seed cavities. Its color is a dark red, which tomato growers call pink. It has potato leaves and is sometimes called Italian Potato Leaved. In Chicago harvest shows it has taken all awards for big tomatoes. Pkt., 50c; ¼ oz., \$1.50; ½ oz., \$2.75.

You Can Grow Giant Spanish Onions

Onion Valencia Sweet Spanish. Utah strain. 110 days. It takes a long time to grow 1-pound specimens of the sweet, mild Spanish onions; but not much longer than it takes to grow 2-pound tomatoes, if you proceed the same way. This means starting seed in a hot-bed or a greenhouse, no later than March 1. Sow the seed in a flat thinly, and they will grow with ordinary attention until the frost-proof date in your neighborhood when they can be transplanted to the garden. Drop plants in holes made with a dibber, 4 inches apart; and they will soon take hold. Fast growing produces the mildest, sweetest onions, and they need rich feeding and abundant water. For exhibition specimens, give extra space between plants and feed frequently. We offer white and yellow strains, differing only in the color of their skins. Specify which you prefer. Pkt., 15c; ½ oz., 40c; oz., 75c; ¼ lb., \$2.25.



ONION, VALENCIA SWEET SPANISH

NEW! Dandykill

KILLS WEEDS, FEEDS LAWN, & DESTROYS CRAB-GRASS SEED

Careful tests of Dandykill, the dry, soluble form of the miracle weed killer 2,4D have developed these important facts:

1—That chemical nitrogen in the Dandykill solution will stimulate growth so grass quickly spreads to vacant spaces left by dying weeds.

2—That Dandykill at normal strength destroys many seeds of crab grass and kills small crab grass plants.

3—That Dandykill one-half recommended strength used on bent greens and lawns, kills most weeds without injuring the grass, though occasional brief discoloration may result.

Dandykill offered this year contains a concentrated form of nitrogen quickly soluble in water, in an amount which will not burn the grass leaves, but will produce immediate acceleration of growth.

Experiments show that weeds may be divided into three classes, according to their resistance to Dandykill.

Class 1—Weeds Easy to Kill

The following weeds succumb to Dandykill solution of one-half recommended strength, safe to use on bent grasses and clover.

Buttercup, Cinquefoil, Cress, Dandelion, Dichondra, Dock, Fleabane, Gill-Over-The-Ground, Heall-All, Knotweed, Lamb's Quarters, Lespedeza, Lippia, Moneywort, Milk Thistle, Mustards, Wild Onion, Pennyworts, Plantains, Purslane, Prickly Lettuce, Shepherd's Purse, Sow Thistle, Speedwell, Strawberry, Veronica.

Class 2—Resistant Weeds

The following weeds require one-third more Dandykill to make a given quantity of solution, than is recommended for standard use:

Canada Thistle, Field Bindweed, Goldenrod Hoary Cress, Horse Nettle, Leafy Spurge, Milkweed.

Except in dealing with the weeds specified above, the standard recommended strength of Dandykill should be used on lawns, according to the directions which come with the material.

Time to Apply. U. S. Government scientists recommend that weeds be sprayed when vigorous early growth is well established, dandelions just before they flower. Thick roots of dandelions become soft in three weeks, and under warm, moist conditions disintegrate in two months.

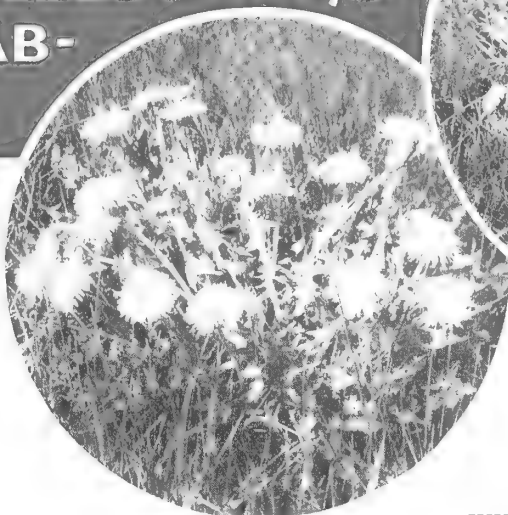
Visible Effects on Weeds. Leaves curl up, then turn yellow, and finally die. First effects are apparent in from 24 hours to 6 days after spraying, and lawn weeds usually disappear in two to three weeks.

Danger in Use. Greatest care must be taken to prevent Dandykill spray from touching desirable plants, which may be killed or deformed as a result.

For suitable sprayers, see page 90.

Dandykill with Nitrogen

Size	Area Treated	Prepaid Price
2 oz.	800 sq. ft.	\$ 0.55
6 oz.	2,500 sq. ft.	1.00
24 oz.	10,000 sq. ft.	3.00
6 lbs.	One acre,	\$10.00, by exp. collect.



Concentrated Dandykill

For use on large areas, Dandykill offered in a special concentrated form, 70 percent 2,4D, without nitrogen saves shipping costs when quantities are used. Shipped F. O. B. Chicago or New York.

Size	Area Treated	Price F.O.B.	Shipping Wt.
10 lbs.	4 acres	\$2.20 per lb.	12 lbs.
50 lbs.	20 acres	2.10 per lb.	56 lbs.

Protexall Combats All Plant Pests

PROTEXALL, introduced by us last year as a one-shot spray or dust using new post-war insecticides and fungicides to combat almost all insects and plant diseases with one treatment, has been remarkably successful.

Against roses, notably plagued by pests of both descriptions, a veteran rose grower reports: "Protexall Dust on my roses has been 100 percent effective as to aphids, virtually 100 percent as to fungous diseases; then following the June blooming season when the rose midge usually appears but this year did not, I had 90 percent of the normal July bloom as compared with 10 percent which has been the rule for 10 years past."

PROTEXALL CONTAINS

D. D. T., which kills most garden insects. Rotenone, fatal to aphids, bean beetles, and all others which may be unharmed by D. D. T.

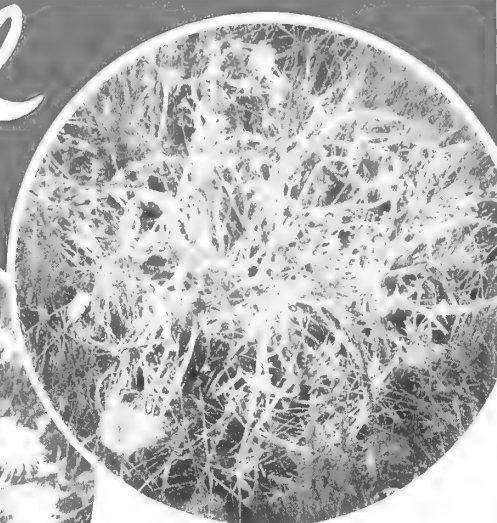
Fermate, harmless to all plants, and giving complete protection from many pests which resist other materials.

Sulphur, which deals with most troubles which fermate does not.

Protexall spray is a powder which mixes easily with water. Protexall Dust comes mixed with a spreader and is ready for instant use. It is necessary to order the form you prefer and have the equipment to use, since the spray material does not make an efficient dust, and the dust cannot be used as a spray.

Protexall Spray, 1 oz., 35c, prepaid 40c; 4 oz., \$1.00, 1 lb., \$3.00, prepaid; 5 lbs., \$12.00, F. O. B. Chicago or New York.

Protexall Dust, 1 lb., 75c, prepaid 85c; 4 lbs., \$2.00, prepaid \$2.25; 50 lbs., \$22.50, F. O. B. Chicago or New York.



Left: Dandelion plant before spraying with Dandykill.

Right: In a few hours after spraying, plant leaves and stems twist and wither, and in time disintegrate to the root tips.

To Kill Woody Pest-Plants

IVY-KILL is a special form of 2,4D, that is offered for use on trees, shrubs and plants with hard-to-wet, waxy foliage, including poison ivy, poison oak, poison hemlock, sumac, birch, choke-cherry, wild rose, thorny brier, and all the weeds listed in Class 2 above.

Size	Area Treated	Prepaid Price
4 oz.	1,400 sq. ft.	\$0.80
1 pt.	1/2 acre	2.00
1 qt.	1/4 acre	3.50
1 gal.	1 acre,	12.00, by exp. collect.

Seed-Less-Set Concentrate

A hormone spray which make more flowers set fruit and thus assures an earlier and more abundant crop. In addition, it produces larger and seedless fruit. It is most effective on tomatoes, cucumbers, peppers and egg-plant. SEED-LESS-SET now comes in concentrated form.

Size	Makes	Prepaid Prices
1/2 oz.	1 Gal.	\$1.00
2 oz.	4 Gal.	2.50
8 oz.	16 Gal.	7.50
20 oz.	40 Gal.	9.00

Post-war Fungicide

FERMATE. This new fungicide which has been thoroughly tested gives remarkable control of plant diseases, with safety to all plants. Reliable specific for black spot on roses, leaf spot on chrysanthemums, snap-dragon rust, anthracnose of tomatoes, and brown rot of cherries. Recommended for use against all fungi and mildews. 1 lb., \$1.65 postpaid; 3 lbs., \$3.50, prepaid for \$3.75; 25 lbs., \$25.00, shipped by express, charges collect.

New Insecticide Makes Plants Poisonous to Insects

SODIUM SELENATE, applied to an ornamental plant or the soil about it, is absorbed by the plant tissues and destroys many insects that attack the plant. Never use on food crops.

Excellent results are reported on control of gladiolus thrips and chrysanthemum pests outdoors. Safest method of outdoor use is to apply P-40, containing 2% sodium selenate, 3 lbs. to 100 square feet, or 100 feet of row. Broadcast after planting, and rake into top soil. P-40, containing 2% sodium selenate 3 lbs., (to treat 100 square feet or 100 feet of row) \$1.50, prepaid; 25 lbs., \$6.50 by express, charges collect.

Vaughan's NATURAL FLORAL Perfumes



THE QUALITY of Vaughan's Natural Floral Perfumes is attested by the many women of prominence in society, on the stage, and radio, who regularly purchase our perfumes and colognes for their own use and for gifts to their friends. They have found in these perfumes a recreation of the fragrances they prefer, truer than was provided by the best imported perfumes.

We invite women of taste and discrimination to compare them directly with their favorite imports regardless of brand, price or name. Examine them critically. Then apply this final test—compare them with the freshly opened flower for which they are named—there can be no more difficult test than this.

To those who have used our floral fragrances, we recommend a trial of these fine French type bouquets—Bouquet S, Bouquet X, Hawaiian Lei, Zanzibar, Calcutta, Song of the Heart and Victoria Regina.

THE FOLLOWING ODORS ARE AVAILABLE IN EITHER COLOGNE OR PERFUME

Cologne is about one-eighth the strength of perfumes (about double the strength of ordinary toilet water).

Appleblossom: Soft, yet fresh and clean.

Bouquet S: A delicately feminine blend of rich floral oils that in France and America is accepted as the leading type of odor in the better shops.

Bouquet X: Another blend, slightly "drier" and less sweet. An exotic fragrance preferred by women accustomed to the better French perfumes.

Carnation: Many acknowledge it as the best recreation of this beloved old favorite.

Wild Rose: Like the breeze through a Sweet Briar hedge in June.

Zanzibar: Like a clipper ship laden with rare Oriental woods and the spices of the Indies.

Forest Breeze: A smoky, piney fragrance—the scent of a pine forest on an autumn day.

Freesia: the most accurate reproduction available of this elusive fragrance.

Gardenia: Not sweet like so many "Gardenia" perfumes—a rich, intense odor.

Geranium: Like a crushed leaf of the green plant.

Hawaiian Lei: A lovely blend of exotic tropical flowers.

Heather: A rich "smoky" or "peaty" fragrance that goes well with sport clothes.

Lavender: The well-known English type, not sweet or "musky" like so many near-lavenders.

Lilac: This outstanding fragrance is again available. Like lilacs wet with morning dew.

Lily of the Valley: At last, a satisfactory reproduction of this elusive scent.

Parma Violet: The full richness of this famous old time luxury perfume.

Red Rose: The Damask Rose type.

Sweet Pea: The true fragrance of the original Spencer sweet pea.

Violet: The English violet, softer than the Parma type.

White Rose: This beloved fragrance is once more available.

PERFUME SAMPLER

1/8 dram each of
10 favorites **\$1.25**
Postpaid, Tax Included

We have packed ten of our most popular odors so that you can test the high quality of Vaughan's True Floral Perfumes. As these are pre-packed to reduce cost, we cannot make changes in the assortment. Each vial contains 1/8 dram, enough for several applications.

COLOGNE SAMPLER

1/2 oz. each of six
most popular odors **\$1.25**
Postpaid, Tax Included

Because of the enormous popularity of our perfume sampler, we have added a similar sampler of Colognes—1/2 oz. each of our six most popular odors, attractively boxed. Attractive as a gift (larger containers than Perfume sampler make it more impressive). Particularly suitable for 'teen agers as well as for the mature woman of taste. Prepacked.

PRICES

Size	Perfume	Size	Cologne
1 dram....	\$0.78	1 oz.....	\$0.60
2 drams...	1.50	4 oz.....	1.50
1/2 oz.....	2.70	1/2 pint...	2.82
1 oz.....	4.80	1 pint...	5.40

These prices are prepaid. Do not add Federal Excise tax: Above prices include the tax.

"Personalized Perfumes"

Cost of Perfume Federal Tax Included
Dram....\$1.80 Ounce....\$12.00

We take pleasure in offering this group of highly individual, specially blended odors, which while not exactly matching the perfume of particular flowers, do express the enchanting fragrance of gardens and woodlands.

Calcutta: The oil from which this perfume was made was intended originally for introduction at \$75.00 an ounce.

The fragrance is that of the rich, opulent bouquets for which the French are famous, yet it is so dry and woody that it is not cloying. Outstanding.

Victoria Regina: Based on the formula for the consecrated oil used in anointing Queen Victoria at her coronation. Rich and fragrant. Not for the ingenu.

Song of the Heart: Created as the personal perfume of the wife of one of America's leading perfumers, this is perhaps the most distinctive bouquet offered today.

While it is extraordinarily rich, at the same time it is so dry and woody that there is no feeling of cloying heaviness. It has had unusual acceptance from women of taste and discrimination. We recommend it without reservation.

BY MAIL ONLY
\$2.50 VALUE—FOR \$2

Flower and Vegetable
Packets of Your Selection

NOT AT STORES

WE SHARE with you our saving in handling expense on larger **CASH MAIL ORDERS**. If your mail remittance for packet seeds totals \$2 or more (store purchases not included) you may select according to the following schedule:

For \$2.00, Seeds totaling	\$ 2.50
For 3.00, Seeds totaling	3.75
For 4.00, Seeds totaling	5.00
For 5.00, Seeds totaling	6.25

In other words a 20% discount on orders for seeds as detailed below totaling \$2.50 and over, catalogue value.

This offer is definitely limited to Cash Mail Orders Only for:

Flower and vegetable seeds in packets, ounces and fractions of ounces.

Peas, beans and corn in half pound and 1 pound units, but not including other seeds by weight larger than ounces.

THIS OFFER DOES NOT APPLY:

To store purchases for any goods.

To mail orders for any other items except those specified above.

The extra seeds must be listed in original order; no allowance can be made subsequently for failure to include them.

Your purchase of packet seeds alone, not counting any other items, must amount to \$2 or more. If your list totals less than \$2, combine it with a neighbor's order to obtain the quantity price. The combined order must be shipped in one parcel, to one address, thus reducing our handling expense, which saving we pass to you.

A Friendly Gift to Our Customers
Most of our orders come from those who have purchased our seeds and like them. We hope you will be one of these. As a token of appreciation, we will send with a mail order of \$2 and over received on this order blank, a special packet containing seed of a new flower or of an older one which we think you should know and know you will like.

Have You Forgotten

Anything on this List?

Annual Flowers, Pages 9-47

Beans, Pages 59-60

Books, Page 58

Bulbs, Pages 82-85

Chrysanthemums, Page 3

Corn, Sweet, Pages 4, 65

Dahlias, Pages 26, 80-81
Inside Back Cover

Delphiniums, Page 51

Fertilizers, Page 87

Fungicides, Page 88-89

Garden Tools, Page 91-95

Gladioli, Pages 82-84

Grass Seed, Pages 2, 86

Hormones, Pages 7, 88

Insecticides, Page 89

Iris, Page 99

Lawn Seed, Pages 2, 86

Lilies, Page 87

Peas, Page 73

Perennial Flowers, Pages 48-56

Perfume, Page 8

Roses, Pages 1, 98, 99

Shrubs, Pages 100-101

Sprays and Dusts, Page 89

Trees, Pages 100-101

Vegetable Seeds, Pages 59-79

Water Lilies, Page 98

Weed Killers, Pages 7

DOMESTIC PARCEL POST RATES On Seeds, Plants, Bulbs, Roots, Books, Tools, etc. within the U. S. and Possessions. Effective Oct. 1, 1932.		First pound or fraction	Each additional pound or fraction		
Local—Chicago or New York City		7c.	1c. (2 lbs.)	Total Weight,	
First and Second Zone within 150 miles of either		8c.	1.1c.		Amount for Postage
Third Zone within 150 to 300 miles		9c.	2c.		
Fourth Zone within 300 to 600 miles		10c.	3.5c.		
Fifth Zone within 600 to 1000 miles		11c.	5.3c.		
Sixth Zone within 1000 to 1400 miles		12c.	7c.		
Seventh Zone within 1400 to 1800 miles		14c.	9c.		\$
Eighth Zone all over 1800 miles		15c.	11c.	Grand Total	

[illegible]

(Over)

New Flowers and Specialties

1947 All America Winners

ALL varieties on this page won awards in the All America trials, in which new creations are tested for merit in trial gardens located in many sections of our country. Thus awards are based upon excellence demonstrated under varying conditions of soil and climate.

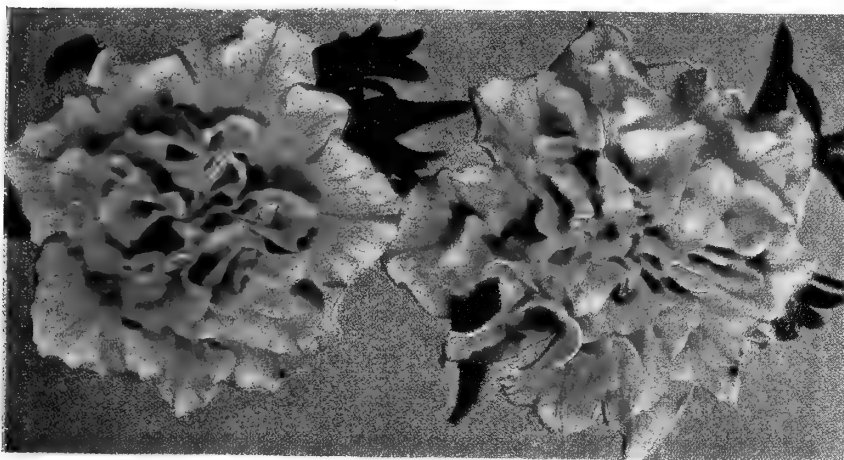
A Warm, Glowing Beauty

431 Antirrhinum Velvet Giant. Bronze Medal All America 1947. The large flowers have a pronounced velvety texture and the deep crimson hue is attractively illumined with an under tone of orange-bronze. Tall growing and base branching, valuable for garden and cutting. Pkt., 25c.



431 ANTIRRHINUM Velvet Giant, Pkt., 25c.

Two New All-Double Petunias



3933 ALL DOUBLE PETUNIA. Mrs. Dwight D. Eisenhower, Pkt., (100 seeds) \$2.00.

3933 All Double Petunia Mrs. Dwight D. Eisenhower. All America Silver Medal 1947. The lovely soft mid salmon of this new Petunia brings a new and most desirable color to the all double class. The lovely fully double flowers are uniform for doubleness and measure about 2 3/4 in. across. Splendid for cut flower arrangements. The plants are dwarf, bushy, of good habit, 16 in. tall and up to 30 in. across. Pkt., (100 seeds), \$2.00.

3935 All Double Petunia RoseMarie. All America Bronze Medal 1947. The dwarf compact plants are profuse blooming and the delightful rose pink flowers grow 3 in. and more across. Trim plants about 18 in. tall and 30 in. across; wonderful for beds and borders. Lovely cut flowers. Pkt., (100 seeds), \$1.50.

Largest of All Doubles

3949 All Double Petunia Colossal Shades of Rose was awarded the Silver Medal in 1946. It is the largest All Double variety of American production. Heavy, luxuriant growers, the plants stand 18 in. tall and bear a continuous crop of large flowers in shades varying from light pink to purple rose. The blooms are both fringed and plain edged and reach 4 1/2 in. or more in diameter. The seed has wonderful vitality, under average conditions the past two seasons, germinating 100 per cent. Pkt., (100 seeds), \$1.00.



3179 MARIGOLD. Naughty Marietta. Pkt., 25c.

On Our Front Cover

360 ANTIRRHINUM

Culture A, B, D or E, Page 58.

Vaughan's Rainbow Mixture of Rust Proof Varieties.

The illustration on our front cover shows only a few of the many delightful colors included in this mixture. They range delicate salmon pink through silvery pink, old gold, old rose and bronze to dark rose and red tones of the richest depth. Included are many two-tone varieties, and some with three and four tones of color on the same spike. The mixture is well balanced, to give an excellent proportion of all these colors in each packet. In beds and borders all these colors will blend harmoniously in a vivid display, and in the cutting garden, they will provide a wealth of material for striking bouquets. Pkt., 25c.



Naughty, In a Nice Way

3179 Marigold Naughty Marietta. All America Honorable Mention 1947. Golden yellow flowers with a mahogany base, 2 to 2 1/2 in. across. Dwarf single French showy plants about 12 in. tall and 16 in. wide, completely covered with bloom. Pkt., 25c.

Pink Ageratum ☐

Culture A B D or E Page 58.

214 Fairy Pink. A compact dwarf of delightful soft salmon rose pink. It begins to flower when not more than 1 1/2 to 2 inches high and grows to 5 inches, forming a compact mass of blooms. Pkt., 25c.

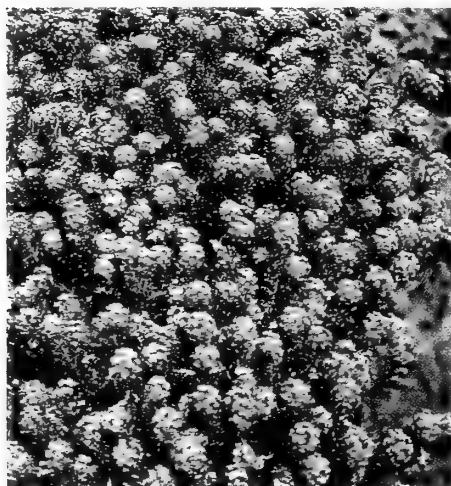


887 ASTER Giant California Sunshine Mixed. Pkt., 25c.

Sunshine Asters □

Culture A, B, D or E, Page 58

887 Aster Giant California Sunshine Mixed. Though not new, many consider this the most beautiful of all asters. The flowers 4 to 5 in. across, are composed of a single row of loosely placed outer petals which contrast with the unique yellow quill-like center discs. Stems long and heavy on plants 2 to 3 ft. in height. Blooms early to mid-September. $\frac{1}{8}$ oz., 50c; pkt., 25c.



259 ALYSSUM Violet Queen. Pkt., 15c.

True Violet Sweet Alyssum

Culture: A, B, D or E, Page 58

259 Alyssum Violet Queen. □ A beautiful, fragrant sweet Alyssum, of bright clear violet hue, holding its colors through the hottest, driest summer. Can be sheared like white Alyssum and grows luxuriantly covered with bloom, from early summer to freezing. It flowers in 45 days from seed in the open. $\frac{1}{8}$ oz., 35c; $\frac{1}{4}$ oz., 60c; 1 oz., \$2.00; pkt., 15c.

Aquilegia ①

Culture: A, B, D or E, Page 58

7152 Vaughan's Super Long Spurred Mixture. Flowers of enormous size in brilliant color range; 3 to 4 inch spurs. Exclusive with us. Pkt. (100 seeds), 50c

Single Asters □

949 Aster Rainbow Mixture. 24 inches. A new strain of single asters producing large flowers of all the colors of the rainbow, except yellow, including many tones of blue and violet, rose and crimson, but without flesh pinks or white. Sturdy, upright growth Pkt., 25c.

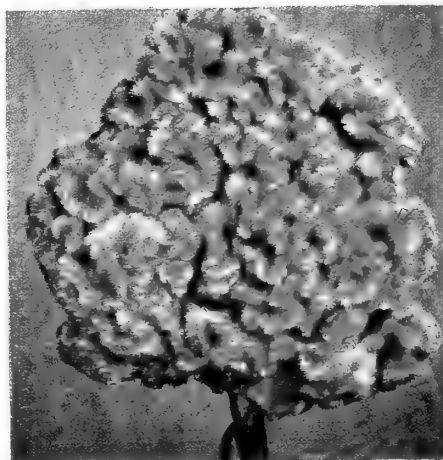
Begonia

Culture: B, D, or E, Page 58

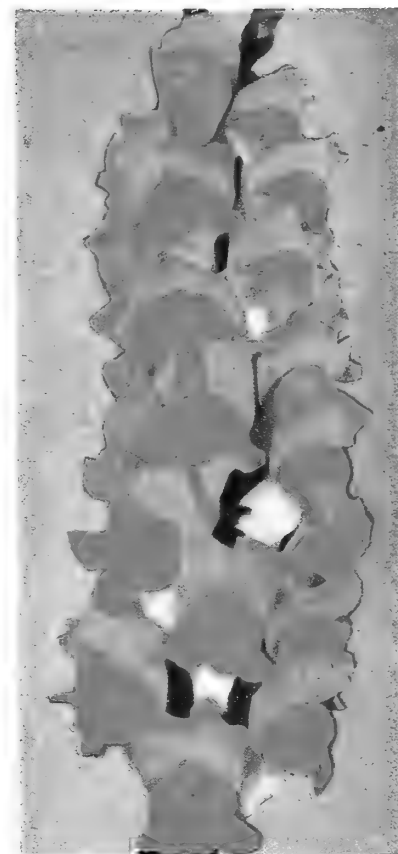
1095 Chameleon. The flowers are a deep rich rosy red which gradually change to a bright luminous pink in summer. Pkt. 50c.

1096 Glowing Fire. The flowers are large intense scarlet red in color and cover the dwarf uniform plants. Pkt. 50c.

1100 Double Tuberous Rooted Vaughan's Special Mixture. Form and color weave a magic spell in this cream of a specialist collection containing the lovely camellia and rose flowered forms together with the double fringed types in charming colors from dainty light shades to the richer and darker tones. Flowers 5 to 8 in. across. Seed sown in January or February make good sized plants by August. Leaflet on culture supplied with seed. Pkt., \$1.00.



1437 CELOSIA Gilbert's Rose Beauty. 25c.



345A ANTIRRHINUM "Reveille". Pkt., 20c.

New Antirrhinums □

RUST RESISTANT SNAPDRAGONS

Culture: A, B, D or E, Page 58

345A Reveille. Softly tinted by the golden rays of an early sunrise, Reveille is a deep luminous yellow with the upper lip of each floret toning to a lighter lemon yellow. Pkt., 20c.

336 Rosalie. A rich deep rose with underlying tone of topaz or amber. The tube and lip are the same color. Plants base branching and produce 6 to 8 huge flowering spikes. Pkt., 20c.

349 Padre. A glistening crimson, rich and beautiful; an excellent grower with uniformly compact contrasting foliage. One of the best. Pkt., 20c.

New Color in Coxcombs □

Culture A, B, D, or E, Page 58.

1437 Celosia Gilbert's Rose Beauty. The color is a uniform bright rose pink on a silver base and should run 90% or better true to type.

Makes an excellent cut-flower, holding its shape and color better than usual. Dries perfectly for winter bouquets.

Height from 3 to 4 feet. Non-branching unless pinched when less than 12 inches high. Foliage a bright glossy green.

Flower-heads when full grown are very ruffled and ball-shaped. Pkt. 25c.

1438 Celosia Giant Crimson Glory. 12 to 18 inches. On strong, non-branching stems, oval-shaped flower heads resembling deep pile crimson velvet, 7 to 10 inches long by 5 to 6 inches wide, are borne. This is the largest Celosia flower, and the plant's dwarf habit makes it especially effective for massing in beds or planting in borders. Seeds should be started indoors. Pkt., 25c.

Garden Carnations

Culture: D, E, A or B, Page 58

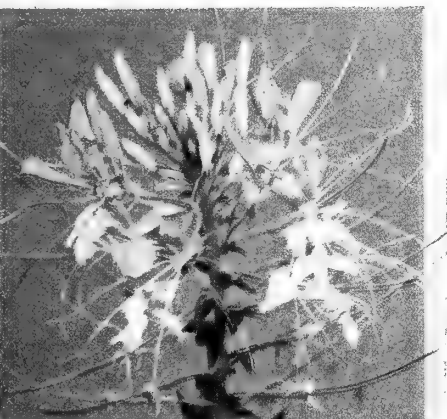
1351 J. M. Bridgeford. (Malmaison.) $1\frac{1}{2}$ ft. □ From seed sown indoors (or outdoors) bears in 90 days on long stems, lovely fully double Carnations, 3 to 4 inches across, of all Carnation colors, including yellow. Flowers throughout the summer. Pkt., 50c.

7396 Grenadin Dwarf Bright Scarlet. ① Double flowers of rich intense scarlet exceedingly showy. Blooms from seed first year if sown early. Pkt., 25c.

7411 Prof. Malmgreen. A new early flowering, Vienna Dwarf Double type with gay brick red flowers. Blooms from seed second year. Pkt., 50c.



1696 **CHRYSANTHEMUM** Vaughan's Rainbow Mixed. Pkt., 25c.



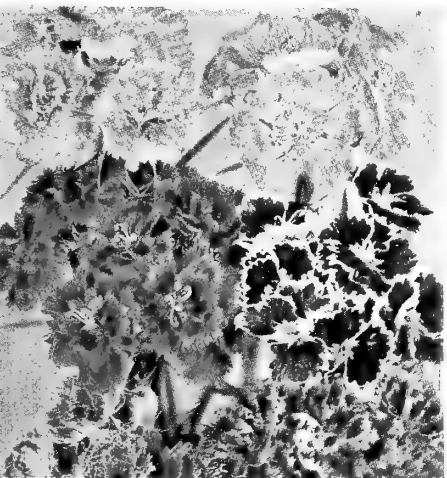
1803 **CLEOME** Pink Queen. Pkt., 25c.

Pink "Spider-Plant"

Culture: D or E, Page 58

1803 Cleome Pink Queen. ☐ Huge heads of delightful and refreshing true pink. Reaches over 4 feet, well branched, airy foliage, blooming from June until frost. Excellent background subject. Pkt., 25c.

1802 Golden Cleome. No seed available.



2232 **SWEET WILLIAM** Double Annual Mixed. Pkt., 25c.

Novel Chrysanthemums ☐

Culture: A, B, D or E, Page 58

1696 Vaughan's Rainbow Mixture. This wonderful new strain of Carinatum Hybrids includes purple, scarlet, orange, salmon rose, yellow, white, all beautifully zoned. Pkt., 25c.

7452 Chrysanthemum September Jewels. They are easy to grow from seed, start to bloom two to four weeks ahead of any other type and have many beautiful colors. The plants grow 1 to 2 feet tall and flowers 2 1/2 inches in diameter. A perennial, blooms second year from seed. Pkt., 25c.



1928 **STRAWBERRY CORN.** Pkt., 25c.

Decorative Pop Corn ☐

For Winter Bouquets

Culture A, Page 58

1928 Strawberry Corn. While this is really a "Pop Corn" and a very good one at that, its charm is in its attractive effect of the tiny ears which are only 2 in. long and 1 1/4 in. wide and are a rich and shiny mahogany color, not unlike a gigantic strawberry. They are enclosed in straw-colored husks which may be bent back showing the ear. Pkt., 25c.

Ornamental Cotton

1997 Sown indoors, and transplanted after danger of frost is over, cotton plants develop quickly into low bushes of definite ornamental value, with lovely pink buds followed by creamy blossoms. The white bolls make winter bouquets, and teach the children a valuable lesson. Sorry cannot be sent to California on account of quarantine regulation. Pkt., 25c



1621 **CHRYSANTHEMUM** Korean Hybrids. Pkt., 50c.

Korean Mums From Seed

Culture: A, B, D or E, Page 58

1621 Chrysanthemum Korean Hybrids. ☐ These large, single flowers of many lovely colors can be flowered from seed the first year. The hardy Korean species is crossed with garden varieties. Pkt., 50c.



1997 **ORNAMENTAL** Cotton Blossom. 25c.

Stamford, Conn., January 17, 1946

The Aster collection also the Zinnias you sent last year were truly beautiful. I had many compliments on their beautiful size and colors. Mrs. M. C. J.

Annual Sweet William

2232 Sweet William Double Annual Mixed. A brilliant blend of colors, fine for bedding or cutting. Blooms first year from seed and plants live over winter. Pkt., 25c.

DIANTHUS BARBATUS, Perennial.

Culture: B, D or E, Page 58

7650 Giant White "Special." Pure white flower clusters, 1/2 larger with strong wiry stem from 1/2 to 1/2 longer than ordinary. In growth it resembles the Perennial Phlox and is a splendid cut flower. The individual florets average from 1/2 to 3/4 of an inch in diameter, their size depending somewhat on the culture. The flower clusters range from 4 to 7 inches. Sown from May to July will bloom next June. Pkt., 25c.

7688 Midget Single Mixed. 3-4 in. Alpine Sweet William, uniform habit. The color range is from white, chamois, salmon, scarlet, brick red to maroon, with most blooms tri-colored. Pkt., 25c.

7711 Midget Double Dwarf Mixed. An attractive double form of the above, 3 to 4 in. tall in a bewildering color range. Pkt., 15c.

New Calendula Blend ☐

Culture B D or E Page 58.

1207 Trial Ground Mixture. Saved from the trial grounds of one of our growers. The color balance leans toward pastel and the form is somewhat that of the popular Chrysanthemum, with blooms the size of the largest varieties. This blend has proved to be heat resistant and blooms over a longer season than the ordinary varieties. Pkt., 25c.



7650 **DIANTHUS** Barbatus Giant White Special. Pkt., 25c.



7522 DELPHINIUM Chinese Cambridge Blue. Pkt., 25c.

7523 DELPHINIUM Chinese Blue Mirror. Pkt., 35c.

True Blue Delphiniums

Culture: A or B, D or E, Page 58 ☐ ①

Chinese Delphiniums are true hardy perennials, which live for years, yet bloom like annuals the first year from seed. Excellent for mass planting.

7523 Delphinium Chinese Blue Mirror. One of the few true navy blue flowers. Pkt., 35c.

7522—Cambridge Blue. Sky blue. Pkt., 25c

NEW WHITE PACIFIC GIANT

7565 Percival. The large glistening white flowers with strongly contrasting black bees are beautifully spaced on long tapering spikes. Very vigorous and free growing habit. Pkt., (100 seeds), 75c.

White-Enamel African Daisy

Culture: A, B or E, Page 58 ☐

2318 Dimorphotheca Glistening White. 6 to 8 in. The petals of the daisy-like flowers 4 inches in diameter, glisten like white enamel. They are borne freely on low, spreading plants, like hot sun and dry weather, and flower long after frost. Pkt., 25c.

2317 Dimorphotheca Sinuata. A very early and free flowering. Dwarf spreading variety. Glossy rich orange flowers. Excellent foliage. Pkt., 25c.



2492 GERANIUM Vaughan's Special Mixture Large Flowering Varieties. (50 seeds). 35c.

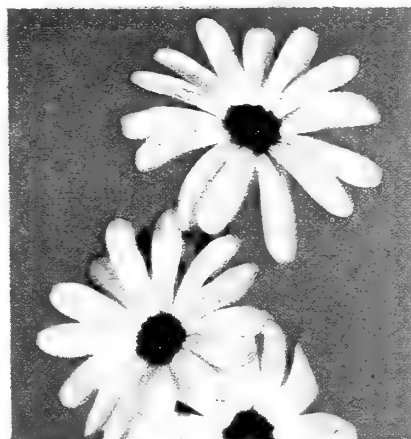


8089 IRIS Kaempferi Special Strain. Pkt., 35c.

Oriental Iris

Culture: A, B or C, Page 58

8089 Iris Kaempferi Special Strain. ① Seed was saved from a grand exhibition collection of six-petaled varieties. Large and rather flat blooms rich in coloring. Blooms in June and July one year after sowing. Pkt., 35c.



2318 DIMORPHOTHECA Glistening White. Pkt., 25c

Like Yellow Chrysanthemums

Culture: A, B, C, D or E, Page 58

3151 Marigold Mammoth "Mum." 30 in. ☐ The flowers are fluffy ball-like, light sulphur yellow in color. The flowers are 3½ in. across and 2 in. deep. Pkt., 25c.

3132 Mission Giant Yellowstone. A sister of Goldsmith which was orange, this is golden yellow, of incurved, globular form, 2½-inch flowers, rather late, grow 3 to 5 ft. Pkt., 25c.

3153 Goldsmith. Earliest of the Chrysanthemum flowered Marigolds. Orange globular flower with incurved petals, borne on long base branching stems, 3 feet tall. Pkt., 25c.

3127 Limelight. A pale primrose yellow or deep cream, in the incurved Chrysanthemum-flowered type. Early-flowering, 1½-2½ inches in diameter, free-flowering and coming quite true. Pkt., 15c.

A Miniature Harmony ☐

3170A Marigold Spry. This is a miniature version of Harmony, growing in compact, 9-inch bushes, producing freely flowers less than half the size of the popular variety Harmony. It is uniform and fine for ribbon planting. Pkt., 25c.

Geranium Seed ☐

Culture: A, B or C, Page 58

2492 Vaughan's Special Mixture Large Flowering Varieties. Improved single large-flowered seed saved from name varieties. Many charming varieties may be expected, even some doubles. This seed will germinate irregularly in from 14 days to two months. The plants may be lifted as they reach suitable size, but the seed box should not be disturbed until germination has ceased. Pkt., (50 seeds), 35c.



2259 DIANTHUS Heddwigii Gaiety. Pkt., 25c.

New Dianthus Strain

Culture: A or B, Page 58

2259 Dianthus Heddwigii Gaiety. ☐ The large fringed flowers have a bewildering variety of pink, white, red and maroon coloring, in decorative patterns, and borne freely on dwarf plants. There are numerous double and semi-double forms. The many blossoms, borne for a long season, will cover a bed of these plants with a fascinating display of brilliant colors. Pkt., 25c.

Golden Sweet Pea

Culture: A, B or E, Page 58

1929 Crotalaria Retusa. The "Golden Sweet Pea." A valuable, decorative annual with flowers much like Sweet Peas but entirely different in habit of growth. The plants are sturdy, erect, about 2 feet tall, with spire-like spikes, closely furnished with glossy, bright golden yellow blooms. It will flourish in hot, dry places where ordinary Sweet Peas will not thrive. Pkt., 25c.

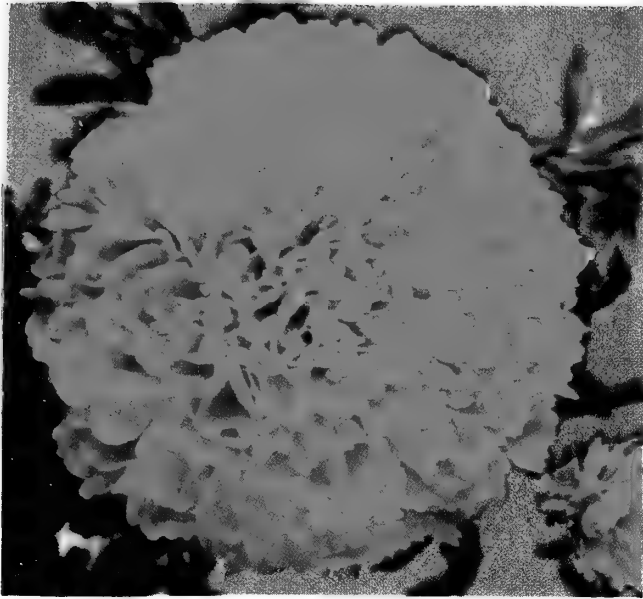
For Hot Dry Locations

Culture A, B, D or E, Page 58

2485 Gazania Flowerland Strain. ☐ Splendid new strain with gorgeous large flowers in art and pastel shades oddly marked. Plants robust; in bloom constantly; for pots and sunny borders. Pkt., 35c.



3170A MARIGOLD Spry. Pkt., 25c.

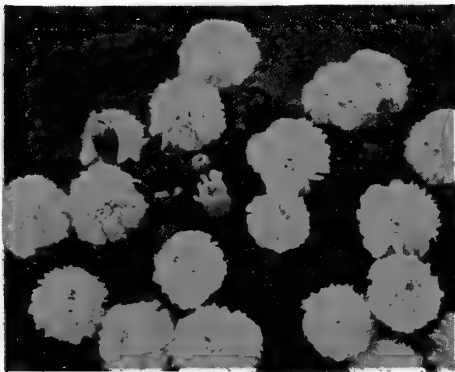


3131 MARIGOLD Real Gold Pkt., 25c.

Golden Giant Marigolds □

3131 Marigold Real Gold. All America Bronze Medal, 1945. Large carnation-type flowers up to 4½ inches across are borne on compact bushes 20 to 25 inches tall, rather late in season. Color is golden orange illumined with yellow and flowers are abundant. Pkt., 25c.

3177 Dwarf Gigantea Pot O'Gold. 12 in. Plants are compact, well branched, bearing large blooms of bright deep orange. Flowers are somewhat loosely formed, with broad heavy petals, gracefully overlapping. Blooms early. Pkt., 25c.



3196 MARIGOLD Cupid. Pkt., 25c.

Dwarf Marigolds □

3196 Cupid. Another one of the odorless foliageed Marigolds. Dwarf in habit, large Primrose yellow chrysanthemum-like flowers completely cover the plant. Marvelous for edging or border. The flowers are 2 to 2½ in. across and the plants are only 6 inches tall. Pkt., 25c.

3164A Dwarf French Double Butterball. The name fits this pretty edging Marigold of canary yellow. It grows 10 inches tall, in a mound covered with 1½-inch globular blossoms. Early and continuous flowering, excellent for ribbon planting or pot plants. Pkt., 25c.

3172 Dwarf Coronet Improved. Averages about nine inches in height. The variety produces small, Scabiosa-flower, golden yellow in center and deep mahogany red collar. Plants are compact, free-blooming and early. Pkt., 25c.

3165 Sunkist Orange. It is a dwarf, compact, very early, continuous blooming, dwarf double, 6 to 12 inches tall, flowers 1½ inches across. Companion variety for the already popular Butterball. Pkt., 25c.

3163B Yellow Pygmy. 8 in. Light lemon-yellow, Lilliput French double. Small, 1¼ in. blooms, rather free and exciting for edging beds. Pkt., 15c.

3159 Honeycomb. 15 in. This odorless deep orange belongs to the Double Dwarf African type. Peculiar and unusual petal formation makes it a distinct variety. Pkt., 25c.



4051 PETUNIA
Ruffled Little Giants.

Pkt., 50c.

New Single Dwarf Petunias

Culture: A, B, D or E, Page 58

4051 Petunia Dwarf Grandiflora Ruffled Little Giants. Mixed. A very brilliant and merry mixture of large beautifully fringed and ruffled flowers which cover the dwarf erect growing plants. The flowers are pure pink, pink and white, pure red, and red and white. Fine for beds or borders. 8 to 10 inches. Pkt., 50c.

4022 Petunia King Henry. Compact, globular habit, large blooms of a velvety blood red color on short stems. A dwarf Flaming Velvet. Pkt., 25c.

3987 Petunia Ruby Red. Vivid rich velvety red flowers. Plants are dwarf and flowers of medium size. Blooms very freely. Pkt., 25c.

4083 Petunia Blushing Maid. Its single flowers are of largest size, deeply fringed and ruffled, of a rosy pink and white with yellow veins and throat. One of the loveliest giant singles. Pkt., 35c.

4084 Petunia Giant Ruffled, Irene. Dark carmine red, with white center, center slightly veined. Flowers four and a half to five inches in diameter. Pkt., 35c.

Best Dwarf White

4011 White Perfection. Best dwarf white Petunia. Grows about 10 inches in height. Flowers pure white of fine size and cover the plant. Pkt., 25c.

Red, White and Blue

Many will wish to plant beds or border combinations of red, white and blue flowers.

3994 Red, White and Blue Petunia Mixture, a blend of these colors. Pkt., 25c.

All Day Four-o'clock

Culture A, B, D, or E Page 58.

3300 Mirabilis Uniflora. Bright rose flowers of the most unusual trumpet in trumpet form. These flowers are deep rose color and are very persistent, in flower all day and day after day unlike other four o'clocks. The effect is very like that of slender nicotiana trumpets rising from the centers of Petunia blooms. 30 in. tall. Pkt., 25c.

5844 ANNUALS FOR WINDOW OR PORCH BOX IN MIXTURE.

Culture: A or B, Page 58

A charming selection of quick growing annuals including both compact and trailing types with brilliant colors and long flowering season. Pkt., 20c.

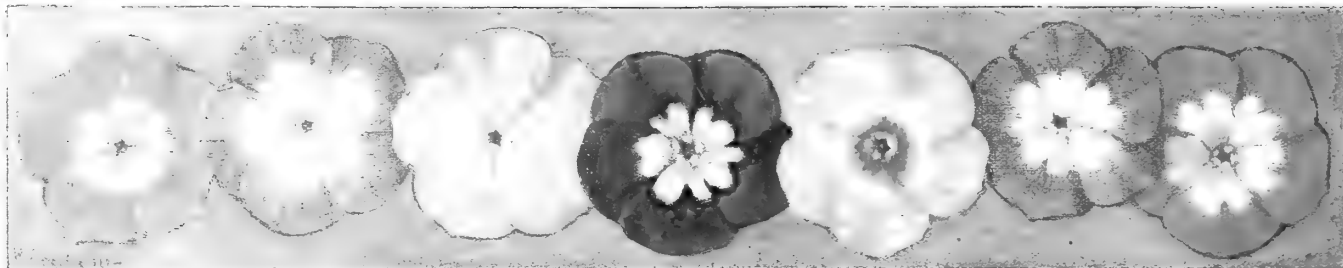


4099 PETUNIA Dwarf Pink Glory. Pkt., 25c.

4099 Petunia, Large Flowering Dwarf Pink Glory. A very large well formed flower of most exquisite luminous pink shade, with a contrasting paler throat, plant dwarf and compact. Pkt., 25c.



4011 PETUNIA White Perfection. Pkt., 25c.



4103 PHLOX Gigantea Art Shades. Pkt., 25c.

Giant Annual Phlox □

Culture: A, B, D or E, Page 58

4104A Gigantea, Red Glory. The richest bright red with contrasting white eye. Its color is the same as Scarlet Flax; a free, continuous bloomer. Pkt., 25c.

4103A Gigantea Rosy Morn. A gay combination of rose pink with a white eye, a color that will not fade in the strong sun. Pkt., 25c.

4104 Gigantea Salmon Glory. Florets measuring $1\frac{1}{2}$ inches, of pure salmon pink. They not only register well in border clumps and bedding masses, but are useful cut flowers, all summer. Pkt., 20c.

4103 Gigantea Art Shades. A strain with flowers $1\frac{1}{2}$ inches in diameter, in a remarkable variety of soft color tones, which blend delightfully. Pkt., 25c.

4147 Vaughan's Snowdrift. This lovely pure white everblooming Phlox is a delightful addition to our list of white annuals. The large fragrant flowers are a foil to the brighter colors in our gardens. 9 to 12 in. Pkt., 35c.

Double Petunias □

Seeds should be sown indoors early in the season, taking care to sow thinly enough to avoid crowding, so that every seedling can be raised.

3932 All Double America. Medium size flower of carnation form, 100% true for doubleness. The first double ever created in America. Branching erect, the plants develop into trim little plants 1 ft. high and 18 in. wide. Graceful, fully double rose pink flowers up to $2\frac{1}{4}$ in. Leaves smaller than other varieties with almost entire lack of stickiness. Pkt., (100 seeds) 50c; 1,000 seeds, \$3.50.

Bushy Sweet Tobacco

Culture: A, B, D, or E, Page 58

3403 Nicotiana Daylight In this new hybrid the white blooms remain fully open during even the most brilliant sunshine. When developed, the plants are of a very bushy habit, reaching a height of $1\frac{1}{2}$ to 2 feet, and about the same distance across, throwing an abundance of pure white flowers with the same delightful scent in the evening as Nicotiana Affinis, and makes an ideal subject for bedding purposes. Pkt., 35c.

New Viola □

Culture: A or B, Page 58

5791 Helen Mount. Average height about 8 in. with about a 12 in. spread of plant. Narrow, bushy foliage. Very free blooming. Two upper petals rich violet, two smaller lower petals are lavender and the lower petal is canary yellow with black lines radiating from the eye. Planted indoors in early spring and transplanted outside as soon as weather permitted, about three months would require to bring the plants into full bloom. Pkt., 25c.

Lovely New Swiss Giant

3901 Pansy Swiss Raspberry Rose. An entirely new color in the Swiss giant strain. A lovely tint of pink best described as Raspberry Rose. It has a suggestion of a lighter tone on the edges of the petals and is marked with a velvety blotch in a deeper tone. An outstanding novelty we are glad to offer again. Pkt., (100 seeds), 75c.

3898 Pansy Swiss Giant Orange. A perfectly round flower with overlapping petals of good substance. Color is a vivid orange, the upper petals carrying a halo of golden yellow. The lower petal is a deep orange. Pkt., 50c.



3901 PANSY SWISS GIANT Raspberry Rose. Pkt., (100 seeds) 75c.



5791 VIOLA Helen Mount. Pkt., 25c.



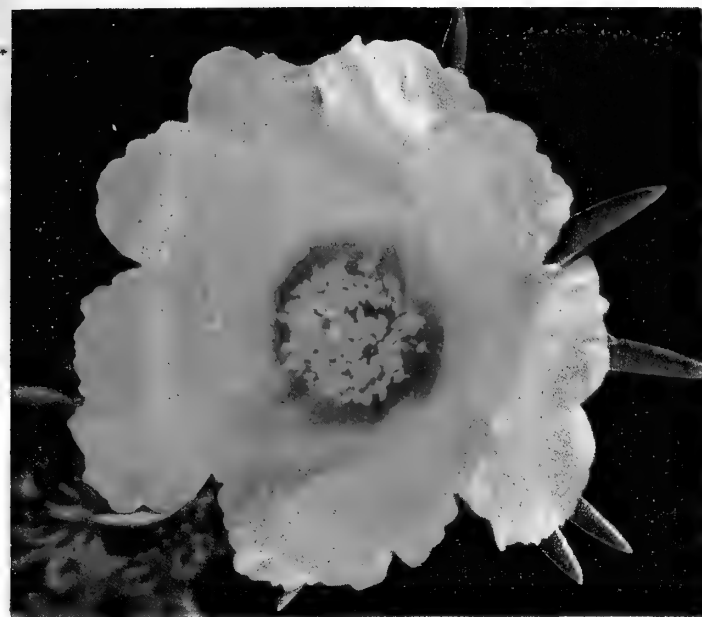
3932 PETUNIA All Double America. Pkt., 50c.



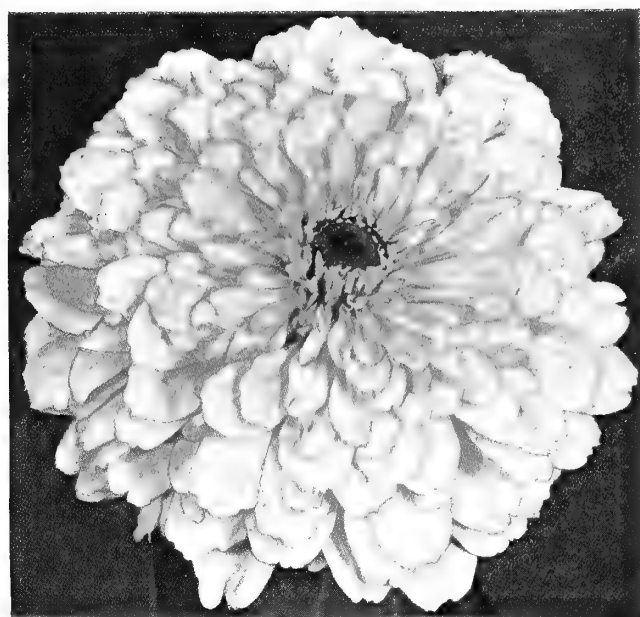
Annuals for Cut Flowers

Culture: A or B, Page 58

No. 1400 The forty or more varieties in this blend are chosen for their value as cut flowers. They are the long stemmed brightly colored flowers that go so well in vases and baskets. This will produce a glorious variety of flowers for cutting. We suggest planting in rows in the vegetable garden where the plants may be cultivated. 1 Oz., 50c; $\frac{1}{2}$ oz., 30c; pkt., 15c.



4426 **PORTULACA Jewel.** Pkt., 25c.



5902 **ZINNIA Burpee's Super Giant.** Pkt., 25c.



4620 **SALPIGLOSSIS Dwarf Giant Flowered Mixed.** Pkt., 20c.

New Giant Salpiglossis □

Culture: A or B, Page 58

4620 Dwarf Giant Flowered Salpiglossis Mixed. Giant flowers of all the delightful colors of this gold-veined trumpet flower are borne on low growing plants of compact habit, and will cover the bed or border with glowing color. Many consider this the best of all summer cut flowers. Pkt., 20c.

Schizanthus □

Culture: A, B, D or E, Page 58

4756 Monarch Strain. This is the brightest mixture of roses and appleblossom pinks, salmons, rosy crimsons, deep violet purples and many indescribable variations which make this a riot of color almost unbelievable. All are heavily veined in gold. Pkt., 25c.

New Iceland Poppy

8287 Poppy Nudicaule Kelmscott Strain. The best strain, strong wiry stems when well grown, 3 ft. long, large flowers in great variety of beautiful colors. Pkt., 25c.

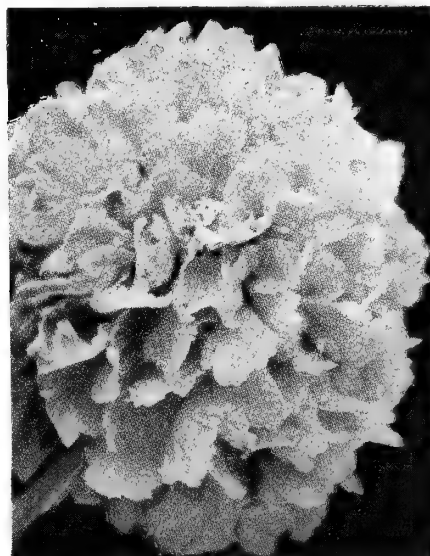
A Floral Jewel □

4426 Portulaca Single Jewel. No one who has in mind the usual Portulaca flower can imagine the beauty of this new variety, which is four times as large, and of a brilliant deep crimson coloring. One of the most popular of annuals, the Portulaca is so easy to grow in dry, sunny places, that its beauty is often overlooked; but here is a new member of the family that will attract surprised attention in any company. It is as free flowering as the smaller flowered varieties. Pkt., 25c.

4442 Portulaca Double Scarlet Glow. A brilliant orange scarlet of true double form. Plant in a sunny spot when the ground is warm in the spring and it will be a mass of color all summer and fall. Pkt., 25c.

Tucson, Arizona, September 16, 1946
This summer the rockery was a blaze of color and truly beautiful because of the Jewel Portulaca (4426) and all-double Petunia America (3932). The blooms were, or still are, enormous.

Yours truly, H. F. L.



4731 **SCABIOSA Blue Moon.** Pkt., 15c.

Sky Blue Scabiosa

Culture: A, B, D or E, Page 58

4731 Scabiosa Blue Moon. □ 4 ft. Large blossoms of conical shape of sky-blue tinged with lavender, borne on long, strong stems, ideal for cutting. Pkt., 15c.



6050 **ZINNIA Lilliput, Tom Thumb Mixed.** Pkt., 15c.

Largest of Zinnias

Culture: A, B, D or E, Page 58

5902 Zinnia Burpee's Super Giant. A new strain remarkable not only for size, but even more for its new color tones and blends. It is a mixture, not yet selected into well fixed varieties which come true, but this fact will heighten its interest for many gardeners, who will be delighted by the many lovely pastel tones, as well as dark shades to be found in every planting. Petals are usually waved and fringed, as in the illustration, and the plants grow vigorously, with strong stems, making excellent cut flowers. Flowers grow $5\frac{1}{2}$ to $6\frac{1}{2}$ inches in diameter; tones of cream, buff, apricot, salmon, rose and orange predominate, but there are also flowers of yellow, white, scarlet and crimson, with many two and three-tone combinations. Pkt., 25c.

Cut and Come Again Zinnias

6099 Sunshine Tints. New rich pastel shades. Fine for cutting or for borders. Flowers average 2 in. across and plant are about 18 in. tall. Pkt., 15c.

Tom Thumb Zinnias □

6050 Zinnia Lilliput Tom Thumb Mixture. Small double flowers cover the plants which grow 6 inches tall. Red, orange, pink, yellow and white pastels. Delightful for low bowls. $\frac{3}{4}$ oz., 50c; pkt., 15c.



5848 SURPRISE GARDEN MIXTURE. Oz., 25c.

Surprise Garden Mixture

80 Different Annual Flowers
Growing 1 to 3½ Feet Tall, Oz. 25c

5848 **Vaughan's Surprise Garden of Annuals** is a "garden lover's dream come true." From early Spring until killing frost there is a procession of color. It is not a collection of leftovers; but a carefully prepared formula of more than eighty different annual flowers, many of which you have never seen. We want you to know them, and you will be delighted to make their acquaintance and probably will want to order separately another year. Furnishes an unending amount of cutting material and a daily surprise to see what will appear next. This mixture does not contain seeds of vines, nasturtium, etc. Allow plenty of space to avoid crowding, keep watered and weeded, and remove faded flowers. Use these packets (1 oz., each 25c) for friends on their birthdays.

Oz., 25c; ¼ lb., 90c

West Reading, Pa.

July 3, 1946

Enclosed please find fifty cents (50c) for which kindly send me 2 oz. of your "Surprise Garden Mixture".

I realize that it is too late in the season to sow the seed but I want to be sure to have this lovely mixture first thing in the Spring next year.

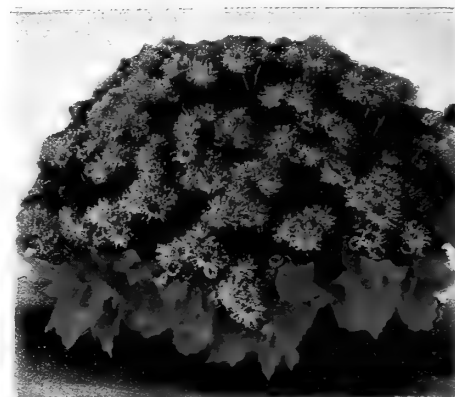
Mrs. L. A. D.

Alhambra, Cal

Oct. 18, 1944

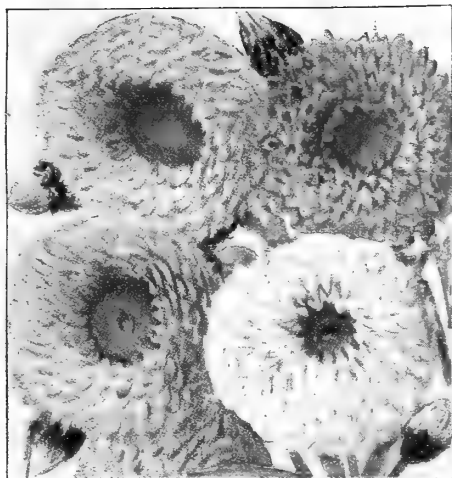
A friend of mine had a garden of your Surprise Garden Mixture this spring. I've never seen such lovely flowers. The size and variety was grand.

Mrs. H. A.



195 AGERATUM Midget Blue. Pkt., 25c

Complete List of Annual Flowers



166 ACROCLINIUM Sensation Double Giant Mixture. Pkt., 15c.

Acroclinium (Everlasting) □

Culture: A, B, D or E, Page 58

Its graceful, daisy-like flowers can be dried for winter bouquets. It blooms in 6 weeks. Height, 20 inches.
150 Double Pink. 10c. 155 Double White. 10c.
166 Sensation Double Giant Mixture. Flowers are double and semi-double; white, charmois, flesh color and bright rose. Pkt., 15c.

Abronia (Sand Verbena) □

Culture: A, B, D or E, Page 58

100 X 10 in. Clusters of Verbena-like, fragrant, rose colored flowers over mats of succulent foliage; for hot dry ground cover or rock garden. Pkt., 10c.

Abrus □ 7 ft.

Culture: A, B, or D, Page 58

105 Precatorius (Rosary or Weather Plant). Beautiful prayer beads. Seeds resemble coral beads; may be used for necklaces. Flowers light purple. Pkt., 10c.

AGAPANTHUS Umbellatus. See house plants from seed.

Agrostemma

Culture: A, B, D or E, Page 58

230 Rose of Heaven. □ 1 ft. Graceful habit; flowers pale rose, shaded white. Sow at intervals all summer. Pkt., 10c.

Amaranthus □

Culture: A, B, D or E, Page 58

Tall, vigorous ornamental foliage plants, with showy flower clusters, which attain their finest coloring in hot, sunny locations. Rich soil increases the size of leaves at the expense of their color. Give plenty of room.

267 Caudatus (Love Lies Bleeding). 3 ft. Drooping red spikes. Pkt., 10c.

275 Tricolor (Joseph's Coat). 2½ ft. The inner foliage is of blackest bronze, tipped with green, the outer bright scarlet and gold. Pkt., 10c.

285 Vaughan's Special Mixture. A well balanced mixture of named varieties. Pkt., 10c

Ageratums

Culture: A, B, D or E, Page 58

Most popular summer blooming annuals supplying, during the season, dense heads of fluffy flowers in tones of blue and lavender, which are so necessary to balance the color effect in a garden.

197 Blue Ball Improved. Compact, six inches, Uniform, broad green foliage is almost smothered with flowers of deep periwinkle blue. Pkt., 25c.

198 Blue Bedder. 4 in. Uniform compact plants bearing clusters of lavender-blue flowers. The color is deeper than that of Blue Ball. Pkt., 25c.

200 Blue Cap Improved. 4 in. Definitely more dwarf than Blue Ball more compact in habit. Bright, deep, lavender blue. ½ oz., 50c; pkt., 15c.

214 Fairy Pink. See novelties.

221 Golden Ageratum. 12 in. Fluffy, golden ball flowers, resemble the so-called perennial ageratum. This is an annual, *Lonas Inodora*. Pkt., 25c.

220 Lasseauxi. 1 ft. Clear pink, excellent cut-flower. Pkt., 15c.

180 Tall Blue. 18 in. Beautiful soft lavender blue flowers, useful bedding and bouquet plant. Pkt. 15c

217 Little Blue Star. 4 in. Flower opens light blue with purple center and develops to a bright blue self. Pkt., 15c.

195 Midget Blue. Three inch globular plants are smothered with Ageratum blue flowers. Most uniform in habit, truest in color yet produced. The best we know for narrow ribbon planting. Pkt., 25c.

187 Purple Perfection. 8 in. (Improved Blue Perfection). Vivid dark purple. Compact plant bearing large flowers, freely produced. Fine for ribbons, and edging. Pkt., 15c.

Anagallis (Pimpernel) □

(Poor man's Weather Glass)

Culture: A, B, D or E, Page 58

307 Coerulea. 11 in. One of the most conspicuous low growing blue flowers, but must have a sunny place to do well. The plants spread rapidly and bloom freely. Real turquoise-blue. Pkt., 10c.

309 Terra Cotta Red. 11 in. New, vivid. Pkt., 15c.

305 Mixed. 11 in. Blue and scarlet flowers, effective as edgings, also charming on rockwork and in pots. Pkt., 10c.

Best New Snapdragons

Culture: A, B, D or E, Page 58

425 Vaughan's Special Mixture of Snapdragons. (Antirrhinum). Includes all the varieties, providing a never ending color feast of long stemmed cut flowers. $\frac{1}{4}$ oz., 60c; $\frac{1}{8}$ oz., 35c. Pkt., 20c.

Rust-Resistant

If you have found Snapdragons difficult to grow, rust is probably responsible. Rust is a widespread disease which discolors the leaves and saps the vitality. Growing the Rust-resistant strain, difficulties disappear. Seeds germinate better, plants are more vigorous, the foliage clean, flowers large and of fine color and the flowering season prolonged.

Rust-Resistant Maximum
Giant Flowered. Spikes 32 inches tall, and blooms 2 to 2½ inches across.

- 341 **Maximum Alaska.** White.
- 342 **—Appleblossom.** Rose pink, white tube.
- 343 **—Campfire.** Pure luminous scarlet.
- 344 **—Canary.** Yellow.
- 343A **—Copper King.** Burnished copper.
- 341C **—Crimson.** Fiery crimson.
- 344C **—Daffodil.** Beautiful two-tone yellow.
- 342A **—Golden Glory.** The deepest yellow.
- 343B **—Indian Summer.** Coppery orange-scarlet.
- 346 **—Loveliness.** Pure soft rose-pink.
- 346A **—Pink Sensation.** Pure pink.
- 347 **—Red Cross.** Deep rich crimson, white tube.
- 341A **—Swing Time.** Loveliest rose-pink, a bright yellow lip and white tube.

Each of above maximum type, pkt., 20c; any 3 pkts., 50c.

348 All the above Rust-resistant Maximum Snapdragons Mixed. Pkt., 25c; 3 pkts., 65c.

430 Giant Ruffled "Tetra-snaps." A new race of snapdragons created scientifically by treating normal flowers with the drug colchicine, which made a fundamental change in the cell formation, in technical terms changing diploids into tetraploids. This resulted in larger flowers, with thicker petals, attractively ruffled, fuller spikes with more florets open at one time, heavier stems and sturdier plants. Each plant produces several stems, the central spikes averaging 2½ ft., surrounded by lesser ones. Mixture includes a complete range of snapdragon colors in harmonious combinations. Pkt. 25c.

Sweet Alyssum, Ideal Edging Plant □

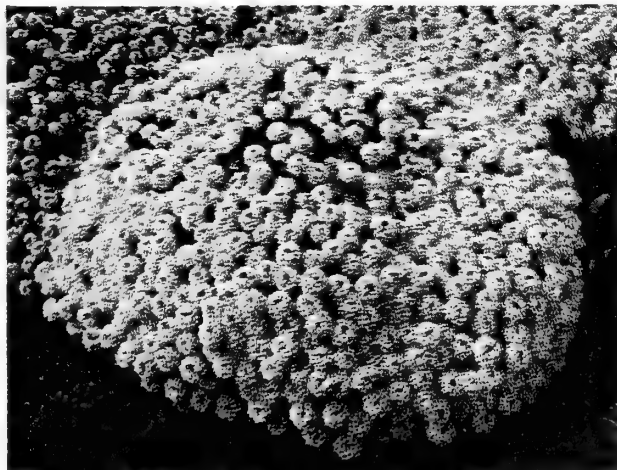
Culture: A, B, D or E, Page 58

255 Vaughan's Little Gem (White Carpet). 4 in. The plants are so completely covered with a froth of tiny snow-white blossoms they create the impression of a beautiful white carpet. Sweet Alyssum puts a lace frill to any garden and enhances the colors of every flower. 1 oz., \$1.40; $\frac{1}{2}$ oz., 75c; $\frac{1}{4}$ oz., 40c; pkt., 10c.

250 Maritimum (Sweet Alyssum). 10 in. Flowers white and honey-scented, produced from early in the season, until freezing. Mix the seed with sand to prevent sowing too thickly. 1 oz., 60c; $\frac{1}{2}$ oz., 35c; pkt., 10c.

259 Violet Queen.—See Novelties. Pkt., 15c.

261 Lutescens. 8 in. Dwarf, cream or straw color. Pkt., 10c.



RUST RESISTANT—Large Flowering Dwarf. 1½ ft.

- 316 **Amber and Gold.**
- 317 **Carmine Rose.**
- 318 **Du Barry.** Flaming salmon rose.
- 319 **Garnet.** Rich velvety crimson.
- 320 **Indian Girl.** Old gold.
- 321 **Wild Fire.** Bright orange.

Each of above pkt., 20c; any 3 pkts. 50c.

MAJUS GRANDIFLORUM—Large Flowering. 22 in.

- 344A **Grandiflorum Brilliant Rose.** True rose pink.
- 344B **—Daintiness.** Rose pink, white tube.
- 348A **—Orange Shades.**
- 349 **—Padre.**—See Novelties.
- 345A **—Reveille.**—See Novelties.
- 336 **—Rosalie.** A rich deep rose with underlying tone of topaz or amber.
- 337 **—Salmon Pink.**
- 338 **—Shasta.** Pure white.
- 353 **—Stoplight.** Copper scarlet.
- 352 **—Yellow Jacket.** A clear deep yellow.

Each of above, pkt., 20c; any 3 pkts., 50c.

355 **Majus Grandiflorum Mixed.** Pkt., 20c.

SUPER-MAJESTIC TYPE—Semi-tall Giant Flowered

- 327 **Orange Shades.** Marvelous shades of rose deeply overlaid tangerine or golden orange.
- 331 **Silver Pink.** Lovely deep pink with a white blotch on the lower lip.
- 332 **Super-Majestic Type Mixed.** The above and others.

Each of Super-Majestic type, pkt., 20c; any 3 pkts. for 50c.

Not-Resistant

Semi-Tall Sorts, 18 to 20 inches

These are recommended for most beds and borders as they require no staking. The flowers have many new shades and tints.

- 368 **Black Prince.** Nearly black, small dark leaves.
- 384 **Flame.** Brilliant orange-scarlet.
- 390 **Golden Queen.** Rich yellow.
- 404B **Red Emperor.** Rich deep scarlet.
- 404C **Royal Rose.** Rich deep rose.

Each of the Semi-Tall sorts, pkt., 10c; 3 for 25c.

409 **Semi-Tall Mixed Majus Nanum.** $\frac{1}{8}$ oz., 45c; pkt., 10c.

445 **Tom Thumb Mixed.** X 8 in. Suited for edging beds, and pot plants. $\frac{1}{8}$ oz., 25c; pkt., 10c.

Antirrhinums For Greenhouse Forcing. See page house plants from seed.



Typical Florets of Vaughan's Giant Rust-Resistant Snapdragons

- | | |
|-----------------------------|------------------------------|
| Left side,
reading down. | Right side,
reading down. |
| 341A Swing Time. | 343 Campfire. |
| 344 Canary. | 346 Loveliness. |
| 343B Indian Summer. | 347 Red Cross. |
| 336 Rosalie. | 342A Golden Glory. |
| 338 Shasta. | 349 Padre. |

Each of above, pkts., 20c; any 3 for 50c.

Miniature Snapdragons

ROCK HYBRIDS X

A delightful new strain forming compact tufts 4 to 6 inches high, covered with miniature flowers. Excellent for rockeries, small beds and edgings.

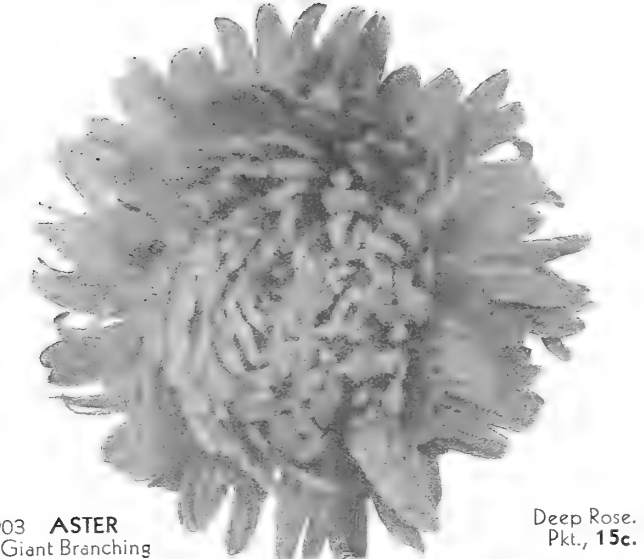
433 Baby Rose. Very free flowering, compact plants covered with flowers of a deep pink self tint. Pkt., 20c

432 Magic Carpet. Very compact with a good range of colors including pinks, terra cotta shaded apricot and a few purplish shades, with light shades predominating. Excellent for low floral arrangements. Pkt., 25c.

Wilt Resistant Asters

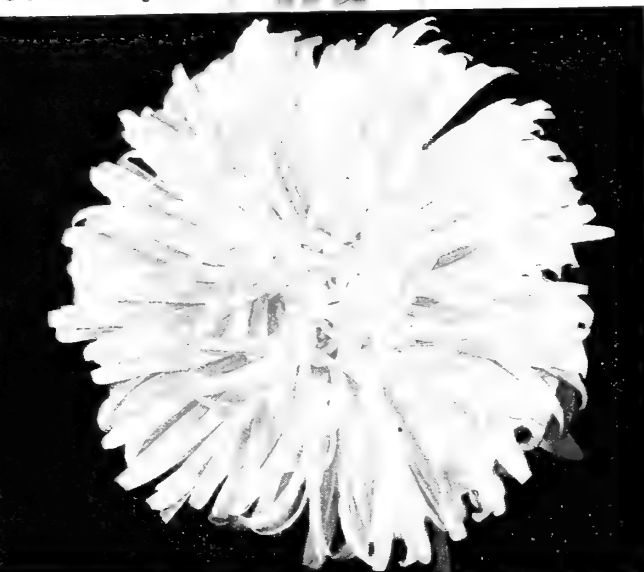
Culture: A, B, D or E, Page 58

Good news for all who have had trouble growing asters, is that D.D.T. Dust, the new insecticide, will kill leaf hoppers, which transmit the yellows disease, for which there has hitherto been no reliable treatment. Occasional spraying or dusting with this lasting insecticide should protect your asters from infection, which is the chief enemy of these beautiful flowers in sections where the wilt disease is not established in the soil. Wilt resistant varieties are resistant only to wilt, but in general are more vigorous, and less susceptible to other infections. Whenever a variety can be offered in a wilt resistant strain, we omit its non-resistant counterpart from the list.



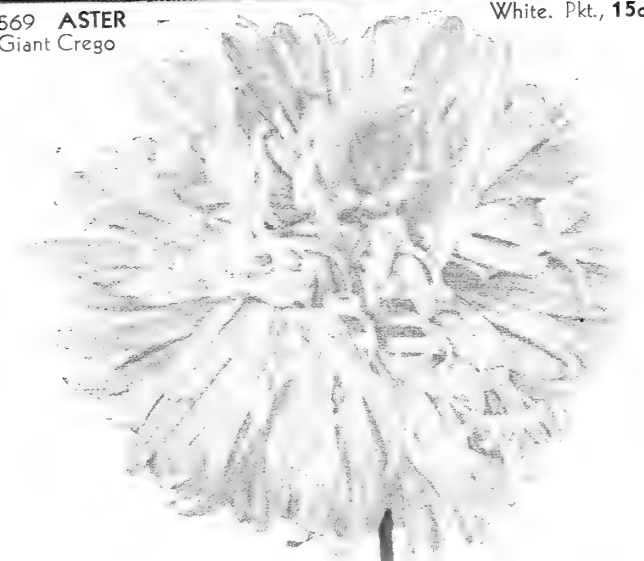
03 ASTER
Giant Branching

Deep Rose.
Pkt., 15c.



569 ASTER
Giant Crego

White. Pkt., 15c.



541 ASTER Early Giant, Light Blue. Pkt., 25c.

SPECIAL OFFER No. 18

One Packet Each, 3 Varieties Illustrated for 45c.

541 Aster Early Giant Light Blue. 25c. 569 Aster Giant Crego White. 15c.
903 Aster Giant Branching Deep Rose. 15c.



ASTER Vaughan's Wilt Resistant.

640 Collection 1 pkt., each of 6 separate varieties as listed below 75c.

Giant Crego—(1) 569 White, (2) 564 Lavender, (3) 565 Pink.
Giant Branching—(4) 906 Purple, (5) 905 Azure Blue, (6) 903 Rose.
Each per pkt., 15c and any 3 pkts., for 40c.

Giant Branching 2 to 3 ft.

The branching habit is accompanied by vigor of growth and profusion of bloom. The flowers are large, very double, stems long and colors vivid.

905 Azure Blue, dark lavender.	902 Shell Pink.
903 Deep Rose.	904 Crimson.
906 Purple.	901 White.
908 Sensation (Scarlet)	
Each of above, pkt., 15c; any 3 pkts., 40c.	
898 Mixed. 1/8 oz., 35c; pkt., 15c.	

Giant Crego — Ostrich Feather — 24 inches

The flowers are immense on long stems. The petals are curled and twisted, plants branching. Flowers in abundance from late August until frost.

559 Azure Blue.	561 Crimson.	565 Pink.
560 Blue Flame,	563 Deep Rose.	566 Purple.
navy blue.	564 Lavender.	568 Violet.
560A Cattleya fascinating shade of orchid.	569 White.	
Each of above, Pkt., 15c; any 3 pkts., 40c.		
575 Mixed. 1/8 oz., 35c; pkt., 15c.		

Queen of the Market (Early Flowering) 16 inches

The favorite early Aster, usually in full bloom two weeks before most others begin to blossom. Of graceful spreading habit.

920 Azure Blue.	921 Crimson.	925 Light Blue.	925C Rose.
924 White.	922 Flesh Pink.	923 Purple, dark blue.	926 Scarlet.
Each of above, pkt., 15c; 3 pkts. for 40c.			
928 Mixed. 1/8 oz., 35c; pkt., 15c.			

Finest Giant Sorts Mixed

628 A Mixture of all Giant Varieties. It became very popular with our customers in our store before we catalogued it. Since we have included it in our list, it has become one of our best sellers. Pkt., 25c.

VAUGHAN'S SPECIAL WILT RESISTANT

915 Mixed. A specially prepared mixture containing in balanced proportion all the wilt resistant varieties we offer. An outstanding value for the cutting garden, or mixed bed or border. 1/8 oz., 40c; pkt., 15c.
946 Pink Shades Mixed. 947 Light Blue Shades Mixed.
948 Dark Blue Shades Mixed.
Each of above, pkt., 15c; 3 pkts. for 40c.

WILT RESISTANT ASTERS—Continued

Royal Early-Flowering Branching 2 ft.

This type fills a gap between the Queen of the Market and the Late Flowering Branching Asters.

- | | |
|---|------------------|
| 929A Dark Lavender. | 930D Scarlet. |
| 929B Peachblossom. | 930A Shell Pink. |
| 929C Purple. | 930B White. |
| 930 Rose-Pink. Each of the above, pkt., 15c; 3 pkts. for 40c. | |
| 930C Mixed. 1/8 oz., 35c; pkt., 15c. | |

- 949 Single Chinese Rainbow Mixed. Pkt., 25c. See Novelties.

Early Beauty 2 to 3 ft.

Attains a height of 2 to 3 feet of branching habit. Flowers large, borne on long stout stems. Bloom at same time with Crego and Giant Branching.

- | | | |
|--|--------------------------|------------|
| 527 Azure Blue. | 531 Purple. | 533 White. |
| 536 Carmine Rose. | 532 September Beauty | |
| 529 Crimson. | flesh pink. | |
| Each of above, pkt., 15c; 3 pkts. for 40c. | | |
| 534 Mixed. | 1/8 oz., 35c; pkt., 15c. | |

Early Giant 1 1/2 to 2 ft.

An exceptional new class. The flowers are full petaled with broad, graceful petals, daintily plumed and intertwined, very large, 4 to 5 inches across. There are practically no laterals or side branches. Four to six weeks earlier than the Giants of California.

- | | |
|--|---------------------------------------|
| 541 Light Blue. A big lacy flower. | 542 Peachblossom. White flushed pink. |
| 543 Rose Marie. Rich, lively shade of rose. | |
| Each of above, Pkt., 25c; any 3 pkts. for 65c. | |
| 544 Mixed. All three colors. | 1/8 oz., 50c; pkt., 25c. |

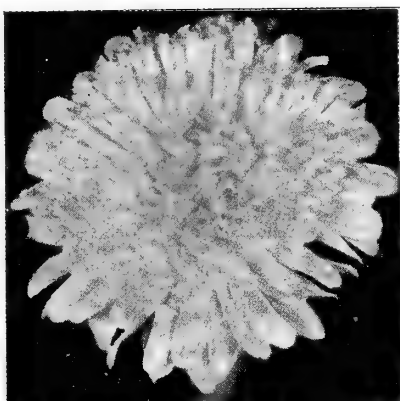
Princess—New Crested 18 to 24 in:

Princess asters have a full crested center surrounded by several rows of strong guard petals. Flowers are fine keepers. Early and free bloomers.

- 625 Princess Anne. Delicate pink turning to rose pink as they mature.
- 624 Princess Barbara. Orchid color.
- 626 Princess Bonnie. A beautiful soft salmon-rose with center of rich gold.
- 623 Princess Golden Sheaf. The deepest yellow Aster yet offered. The flowers are fully double with an attractive crest-like center of good substance and fine depth of petal.
- Each of above, pkt., 25c; any three pkts. for 65c.

Heart of France

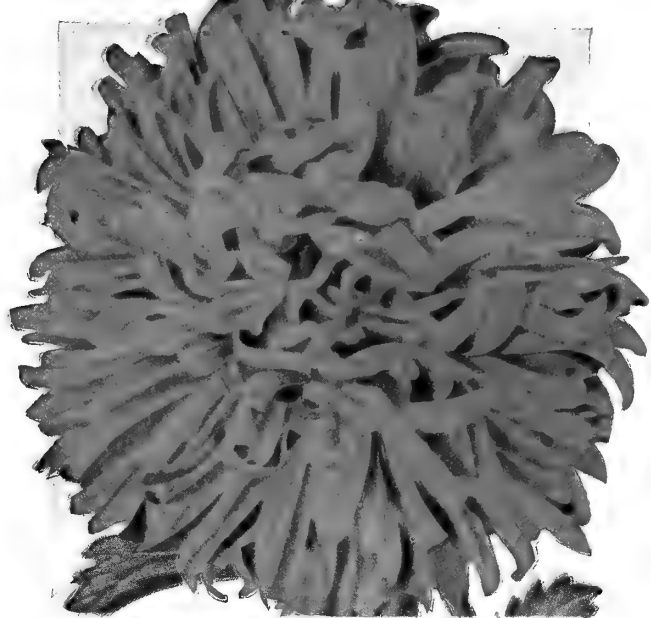
- 929 Opens red as the purest ruby, deepens with age and retains its remarkable color to the very end. The petals show now a glow and sheen, now a soft warm velvety texture. 18 to 24 inches. 3/8 oz., 45c; pkt., 15c.



556 ASTER Golden Sheaf. Pkt., 25c.



588 ASTER. Imbricated Pompon Rose. 25c.



943 ASTER Super Giant, El Monte. Pkt., 20c.

Giant Non-Resistant Varieties

Super-Giants, Largest of All

Largest and most fully double Asters, with flowers from 6 to 8 inches across, plants 2 1/2 ft. tall, with six to eight long stems. Early flowering.

- 943 El Monte. Like Los Angeles in size, and form, but of a deep glowing crimson. Blooms early and remains in flower for a long season. 1/8 oz., 50c; pkt., 20c.
- 942 Los Angeles. Pure shell pink, with huge flowers, but of charming form, with curling, interlaced petals, giving a feathery effect. 1/8 oz., 50c; pkt., 20c.

California Giants 2 ft.

California Giants combine the fluffy or feathered type of flower with the long straight stems of the Beauty class. The large, double flowers with long, attractively curled petals, grow 5 in. and more in diameter, on stems 1 1/2 to 2 ft. long.

- | | |
|-------------------------------|--|
| 594 Appleblossom, shell pink. | 604 Peachblossom, opens white |
| 596 Crimson. | flushes lavender pink. |
| 601 Deep Rose. | 600 White. |
| 602 Dark Purple. | |
| 603 Light Blue. | Each of the above, Pkt., 15c; 3 pkts. for 40c. |
| 610 Mixed. | 1/8 oz., 40c; pkt., 15c. |



646 ASTER Victory Giants. Light Pink. 25c
651 Victory Giants. White. 25c.

- 887 Giant California Sunshine. Finest Mixed. 1/8 oz., 50c; pkt., 25c. See Novelty Pages for illustration.

- 937A Giant Mammoth Peony-Flowered Silvery Rose 2 1/2 to 3 ft. Immense, fully double flowers resembling the Beauty type, borne on long, stout, non-lateral stems. An attractive variety with its rich rose-silver tipped flowers Pkt., 25c.

Vaughan's Excelsior Mixture of Tall Asters, All Types

- 990 A mixture of the most beautiful, tall-growing Asters, Wilt Resistant and Non-Resistant, including the varieties listed and others. 1/8 oz., 50c; large pkt., 25c; pkt., 15c.

Victory Giants

These enormous flowers have shaggy reflexed petals and are borne on long clean stems. A large and early flowering variety.

- | | |
|-----------------|--------------------|
| 645 Dark Blue. | 649 True Lavender. |
| 646 Light Pink. | 650 Vermillion. |
| 647 Rose. | 651 White. |
| 648 Salmon. | |

Each of the above pkt., 25c; 3 pkts., for 65c.

Imbricated Pompon

Flowers very freely produced, often as many as 20 on a dwarf, bushy plant. Blooms very early. The small round pompon blossoms have an outside row of short guard petals.

- | | |
|--|--------------|
| 587 Light Blue. | 589 Scarlet. |
| 588 Rose. | 590 White. |
| Each of the above pkt., 25c; 3 pkts., for 65c. | |



451 ARCTOTIS, New Hybrids. Pkt., 25c.

Arctotis (African-Daisy) □

Culture: A, B, D or E, Page 58

For Dry Sandy Soils

449 **Brevescapa Aurantiaca**. 6in. Deep shade of orange yellow with purple disk. A deep and most attractive shade. Pkt., 25c.

450 **Grandis (Blue-Eyed African-Daisy)**. 3 ft. It forms bushes bearing 2 inch daisy flowers of pearly white with a gold band surrounding a delicate mauve center. It closes at evening and displays its lilac tinted undersides. Foliage gray green. Especially good cut flower. Pkt., 10c.

451 **New Hybrids**. 8-12 inches. A new race resembling the famous Gerberas, but much easier to grow in the garden. Flower 2½ to 3 inches; likes a dry, sunny location. Excellent as a border plant and fine for cutting. Pkt., 25c.

Anoda Mexican Cup □ 4 ft.

Culture: A or D, Page 58

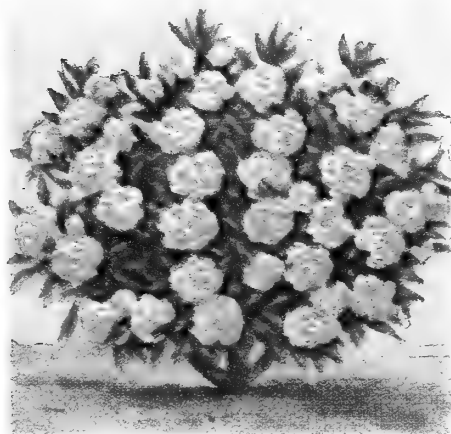
3223 **The Opal Cup**. Luxuriantly growing plant bearing cup-shaped flowers 2½ inches across, of changeable coloring, blue lavender in shadow, pink in sun. Flowers in five weeks from seed and continues until frost, forming bush a yard in circumference. Pkt., 25c.

Balsam Apple and Pear 10ft. □ =

Culture: A or B, Page 58

1008 **Mixed**. Ornamental and quick-growing climber. Excellent in covering unsightly places. Flowers are followed by ornamental fruits. Pkt., 10c.

BLACK-EYED SUSAN See Rudbeckia and Echinacea (Perennial seeds) and Thunbergia (annual seeds).



1057 BUSH BALSAM Rose. Pkt, 25c.

Irish Green Bellflower □

Culture: A B, D, or E, Page 58

1138 **Bell of Ireland**. Graceful 2-foot branching stems are so surrounded by 2-inch flowers there is little room for leaves. The bell-shaped calyx of the flower is green and delicately veined, containing the white corolla. Both curious and beautiful. Pkt., 25c.



1138 BELL OF IRELAND. Pkt., 25c.

1149 Bird of Paradise (Poinciana Gilliesi).

The blossoms are of a rich golden yellow, about 2¼ inches in diameter, produced in large trusses, the most striking feature being the long, incurving stamens and pistils of a beautiful bright crimson color. Seed should be soaked in warm water and started indoors or under glass in a light sandy soil. Plants should be carefully hardened by gradual exposure to fresh air before going into the open ground. If the seed is started early it will produce blooms in great profusion the first year. Pkt., (10 seeds) 15c.



311 ANCHUSA Blue Bird. Pkt., 15c

Anchusa

Culture: A, B, D or E, Page 58

311 **Blue Bird**. □ 2 ft. Compact habit and bearing its flowers in a luxuriant bouquet at the top of the plant. Flowers are of an intense blue with a distinct white eye. Blooms all summer. One of the best blue annuals. Try it with Cacalia. You will enjoy the blue of the Anchusa with the yellow and henna shades of the Cacalia. Pkt., 15c.

For others see Perennial Pages.

Bush Balsam □ "GARDENIA FLOWERED"

Culture: A, B, D or E, Page 58

Free-flowering double balsam of bushy growth, flowers appear in clusters on the top of stems like double roses, instead of hidden on side of stems. It is a fine bedding plant. In shades of white, rose and red. 1½ to 2 ft.

1057 **Rose**.
1053 **Scarlet**. 1055 **White Reflected Rose**.
1056 **Torch**. Dwarf vermilion red.
Each of above, pkt., 25c; 3 pkts., 65c.
1051 **Mixed**. ½ oz., 50c; pkt., 25c.

Balsam (Lady Slipper)

An old favorite producing double flowers clustered in the axils of the leaves on short stems. The plants like hot sun, rich soil and plenty of water.

1040 **Double Rose and Camellia-flowered Mixed**. ¼ oz., 25c; pkt., 10c.

Balloon Vine (Love in a Puff) □ =

Culture: D or E, Page 58

995 A clean, free-growing vine reaching 10 to 15 feet, bearing delicate clusters of bloom and numbers of large, round, inflated seed-pods resembling miniature balloons. Pkt., 10c.

Bartonia (Blazing Star) □ 2 ft.

Culture: A, Page 58

1070 **Aurea**. Showy golden-yellow flowers above its gray and downy thistle-like foliage, exceedingly brilliant in the sunshine. Sow where it is to remain, as it does not bear transplanting. Pkt., 10c.

Browallia □

Culture: A or B, Page 58

Profusely blooming bedding plant, covered during summer and autumn with flowers of a rare shade of intense blue, grows freely in any rich soil; blooms well in the winter if lifted and cut back. In the garden they grow with 12 inch stems and make fine cut flowers.

1157 **Blue**. Pkt., 10c.
1160 **Mixed**. Blue and white. Pkt., 10c.
1161 **Sapphire**. Flowers of intense blue, white eye. like large lobelia. Pkt., 25c.

4574 **Annuals Rock Garden Vaughan's Special Mixture**. A carefully prepared mixture of low growing, many colored, free flowering annuals, which will supply color in your rock garden all summer. ¼ oz., 50c; pkt., 25c.

English Daisy ① □

BELLIS PERENNIS (6 to 8 inches)

Culture: C, Page 58

Double Giant Daisies of robust habit. Remarkably fine effects are obtained when associated with Pansies or Forget-Me-Nots in beds or borders.

1119 **Monstrosa Alba**. Large white. Pkt., 15c
1121 **—Red**. Pkt., 15c.
1123 **—Rosea**. Light rose. Pkt., 15c.
1131 **—Mixed**. Pkt., 15c.



1131 BELLIS. Monstrosa Double Mixed. 15c.



1087 **BEGONIA Masterpiece.** Pkt., 50c.

Begonias

Fibrous-Rooted Ever-Blooming

Culture: B, C, D or E, Page 58

A continuous flowering class of greatest value for bedding; the flowers are of brilliant colors and borne in great profusion from summer to autumn. Seedlings of spring bloom in summer, while seedlings of summer make decorative winter house plants.

Begonia seed is very fine. Open packets carefully over a sheet of white paper.

1071 Christmas Cheer Red. The blooms attain a diameter of 2 inches. Dark crimson-scarlet. Pkt., 35c.

1072 Christmas Pink. Identical with above variety except the color is warm rose-pink. Pkt., 35c.

1080 Gracilis Bois de Vaux Rose. Vivid rose, floriferous pyramidal growth, green metallic foliage decorated with small red border, compact, upright. 8 in. Pkt., 25c.

1077 —Carmen. Bronze leaved, bright rose pink flowers. Pkt., 35c.

1078 —Luminosa. Dark scarlet flowers, foliage reddish brown. Pkt., 35c.

1079 —Dwarf Luminosa. Extra dwarf scarlet. Pkt., 50c.

1082 —Indian Maid. 10 in. Bright deep scarlet buds and flowers with deep lustrous bronze foliage. Pkt. 25c.

1081 —Prima Donna. Rich, clear pink with deep green foliage. Pkt., 35c.

1076 —White Pearl. Clear, glistening white. Pkt., 25c.

1084 Semperflorens Ile de France. The flowers are 1 1/4 inches to 1 1/2 inches, pure white, with bright yellow stamens. Foliage light green. Pkt., 35c.

1085 —King of the Reds. Dwarf glowing scarlet, foliage green edged bronze. Pkt., 35c.

1087 —Masterpiece. Large clear rose-pink flowers. Fairly cover the foliage. Pkt., 50c.

1090 Semperflorens Special Mixed. Finely balanced blend of full color range. Pkt., 25c.

The following varieties are strong, vigorous, branching early if pinched back.

1092 Vaughan's Rose Bud. Large rose colored flowers, green foliage. Pkt., 35c.

1093 Vaughan's Snow Fairy. Pure satin white flowers, yellow stamens, green foliage. Pkt., 35c.

1094 Vaughan's Sweet Heart. Rich dark crimson flowers, foliage dark green. Pkt., 35c.

Tuberous Rooted

Culture: D or E Page 58

For brilliancy of color, duration and profusion of bloom, few plants can compare with the tuberous-rooted Begonias for greenhouses and for summer bedding. A little difficult to raise without greenhouse facilities.

1103 Double Mixed. Producing on strong, erect stems an abundance of very double flowers, ranging from brilliant rose to carmine, often with white margin or mottling. Pkt., 50c.

1099 Single Mixed. Saved from finest exhibition varieties having large, well-formed flowers of many tones of red, orange, pink, salmon, etc. Pkt., 35c.

Showy Butter Daisies

Culture: A or B, Page 58

1168 Verbesina Encelioides. 40 in. A showy easily grown annual bearing 1 1/2 inch flowers continuously throughout the summer. Good cut flower or border annual. Pkt. 15c.

Giant Calendulas □

Culture: A, B, D or E, Page 58

Calendula is one of the best annuals for the garden or greenhouse. Vast improvements in size, shape and color have been made of late years. Keep the flowers cut for continuous blooming. During warm weather the flowers may single out but will return to full doubles when the weather turns cool. Make a late sowing in early July for flowers in cool weather; they stand heavy frosts, and are last to die.

1198 Apricot. A flat petaled variety of a bright apricot shade, deepening towards center. Pkt., 10c.

1194 Ball Gold. Extra long stemmed, large deep golden yellow. Pkt., 15c.

1194A Ball Lemon Queen. Deep lemon yellow with attractive brown eye. Pkt., 15c.

1191 Ball Orange. It has fine stems and immense double flowers of a brilliant glistening orange. Pkt. 15c.

1200 Campfire (Sensation). Flowers grow 4 inches wide, completely double, are of a deep orange. It grows vigorously with exceptionally strong, heavy stems. Especially selected stock. 1/8 oz., 50c; pkt., 15c.

1192 Masterpiece. Extra long-stemmed deep orange with brown center. Pkt., 15c.

1197 Moonlight. A beautiful soft cream yellow, with petals of the Chrysanthemum type, nearest approach to white of all Calendulas. The soft pale yellow harmonizes with anything, especially with the blue of the Centaurea. Pkt., 15c.

1197A Orange Beauty. 2 ft. Blooms are 3 1/2 in. and more across of curved loose petal formation on long stems. The color is bright, deep orange slightly suffused with yellow at the base of the florets. Pkt., 25c.

1190 Orange King. 18 in. Outer petals are slightly imbricated, while the centers are incurved. A glowing orange. Pkt., 10c.

1203 Orange Shaggy. 18 in. Long fringed petals overlapping form a flower resembling some Chrysanthemums. Deep orange turning lighter at the center gives a two-tone effect. Long stems. Pkt., 10c.

1200B Yellow Colossal. 18 in. Most profuse blooming of all, bearing 4 1/2-inch fully double flowers of a clear, bright yellow. Pkt., 10c.

1189 Yellow Sunshine. Large, double flowers on long, stout stems, petals broad and drooping, giving the flower a globular form. A pleasing buttercup-yellow color, free from Calendula odor. Pkt., 10c.

1202 Pastel Bedding Mixture. A balanced selection of dwarf varieties, in light apricot, salmon, orange, lemon and cream. Pkt., 10c.

1205 Mixed, all colors. For woodlands and perennial borders. 1/4 oz. 20c; pkt., 10c.

1206 CALENDULA Vaughan's Special Mixture. Besides listed varieties, this mixture includes many others, giving a delightful collection for cut flower use or exhibition. 1/4 oz., 50c; pkt. 15c

Cheiranthus □

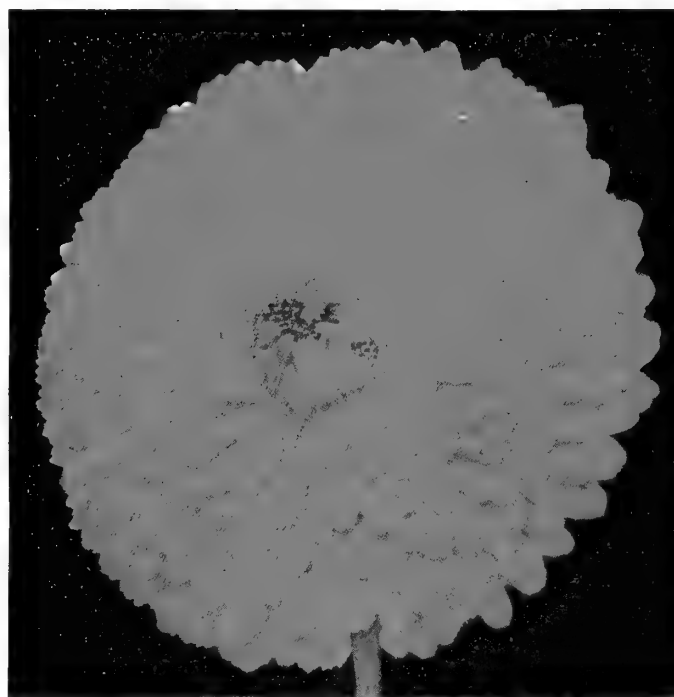
Culture: A or C, Page 58

A hardy perennial which blossoms the first year from seed. Sow in late summer, autumn or spring.

1607 Allioni (Siberian Wallflower). 1 ft. Dazzling fiery orange flowers, on stems about a foot high. Blooms from seed the first year. Pkt., 10c.

1608 Golden Bedder. Fragrant golden yellow flowers, larger than Allioni, are borne for a long season, if faded blossoms are kept picked. Pkt., 15c.

1609 Kewensis. Winter-blooming Wallflower. Fragrant flowers, sulphur passing to gold and violet, 30 in. Pkt., 15c.



1200 CALENDULA Campfire (Sensation). Pkt., 15c.



1146 BRACHYCOME Mixed. Pkt., 10c.

Brachycome (Swan River Daisy) □

Culture: A, B, D or E, Page 58

A free-flowering, dwarf-growing annual, 12 inches tall, covered during the greater part of the summer with a profusion of dainty flowers which resemble small Cinerarias, suitable for edgings, small beds or pot culture.

1146 Mixed. All colors. 1/8 oz., 25c; pkt., 10c.

Grow Cacti from Seed

Culture: C, D or E, Page 58

Growing Cacti from seed is easy and interesting, each miniature plant being perfect. The seeds germinate irregularly over a period of 14 to 40 days.

1251 Cacti. All kinds and forms mixed. Pkt. (50 seeds), 25c; 5 pkts. for \$1.00.

CARDINAL FLOWER—See *Lobelia Cardinalis* in Perennial pages.



1245 **CALLIOPSIS** Vaughan's Special Mixture. Pkt. 10c.

Gay Calliopsis Clan □

Culture: A, Page 58

The annual Coreopsis, its flowers are similar in form, but many are marked with bands or centers of contrasting tones. Colors include variations of yellow and orange including brown, maroon and almost crimson. They are thrifty, vigorous, bloom throughout the summer and often self seed.

1220 Golden Crown. A rich orange-yellow. It has a pleasing fragrance and is nice for cutting, with 12-inch wiry stems. Pkt., 10c.

1235 Dwarf Varieties, Mixed. Valuable for small mixed beds and borders. Pkt., 10c.

1221 Tall All-Double Mixed. 3 ft. The best strain of double flowering Calliopsis. Flowers are semi-double and double, 1 to 1½ inches across. Our mixture contains all colors. Pkt., 15c.

1245 CALLIOPSIS Vaughan's Special Mixture. It contains all the desirable types and colors of these beautiful flowers. A great number of kinds have been especially selected for it. ¼ oz., 30c; pkt 10c



1170 **CACALIA** (Tassel Flower.) Pkt., 10c.

Cacalia (Tassel Flower) □ 2 ft.

Culture: A only, Page 58

This "perky" little annual blooms in a few weeks from seed. The flowers of scarlet or gold on branching stems look exactly as the name indicates, fluffy tassels, less than half an inch in diameter. Blooms until heavy frost. Try these in a copper bowl with the Castor Bean (Ricinus) seed pods and leaves for a lovely effect.

1170 Mixed. Scarlet and yellow. Pkt., 10c.



1390 **CARNATION** Vaughan's Special Mixture (100 Seeds), 25c.

Giant Carnations □

Culture: A or B, D or E, Page 58

Who doesn't love the spicy odor of the Carnation? Its beautiful blossoms may be grown from seed if sown inside and transplanted outside by the end of May. Plants lifted in fall, cut back will bloom again indoors.

1390 CARNATION Vaughan's Special Mixture. This is a mixture of the best strains. The plants will bloom the first summer and will produce many flowers equal to the best florist's Carnation. Pkt. (100 seeds), 25c

Giant Enfant de Nice Carnations. They are of compact growth with extremely stiff stems bearing flowers 2¼ to 2½ inches without disbudding. The colors come about 75% true from seeds and give about 90% of plants with double flowers.

1325 White. **1327 Rose.**

1326 Salmon. **1328 Red.**

1329 Mixed from varieties noted above.

Each of above, pkt. (100 seeds), 35c.

Improved Early Flowering Perpetual. Plants bloom in five months and continue all summer. The flowers are very double, clove scented of large size, on stiff stems 15 to 18 inches high. Our strain will produce 90% double flowers and true color.

1336 White. **1340 Scarlet.**

1337 Yellow. **1341 Maroon.**

1338 Rose Pink. **1342 Salmon Rose.**

1339 Flesh Pink. **1343 Mixed all colors.**

Each of the above, pkt., 25c; any 3 pkts. for 65c.

1350 Giant Margaret Mixed. Flowers measuring 3 in. or more; colors include white, pink, crimson and striped. Upright growth. Pkt. 15c.

See Novelties and Perennials.

1305 ANNUAL CANTERBURY BELLS, Mixed. Annual varieties of this splendid flower family bloom in about six months from seed, growing to 2½ ft., and bearing six to eight spikes of bloom. A splendid late summer border flower. Pkt., 10c.



1287 **CANDYTUFT** Umbellata Mixed. Pkt., 10c.

Candytuft (Iberis) □

Culture: A, B, D or E, Page 58

Successive plantings give flowers all summer. May be sown late in Fall in Tulip beds.

1260 Giant Hyacinth-Flowered White. 1 ft. Large, bold spikes of snowy white flowers, habit sturdy and compact. ¼ oz., 40c; pkt., 10c.

Umbellata 1 ft. Flowers in umbrellata form.

1275 Alba. White. **1277 Flesh.**

1276 Carmine. **1282 Rose Pink.**

1279 Crimson. **1287 Mixed.** ¼ oz., 30

1286 Lilac. Each of the above, pkt., 10c; 3 pkts. for 25c.

1290 Dwarf Hybrids Mixed. 6 in. Compact plants covered with large flowers, rose, salmon, coral-pink to lilac and purple-crimson. ¼ oz., 25c; pkt., 10c.

1289 Little Prince. 6 in. Immense spikes of snow-white flowers, borne in great profusion on dwarf sturdy plants. Pkt., 10c.

CHIMNEY BELLFLOWER—See Campanula Perennialis in perennial pages.

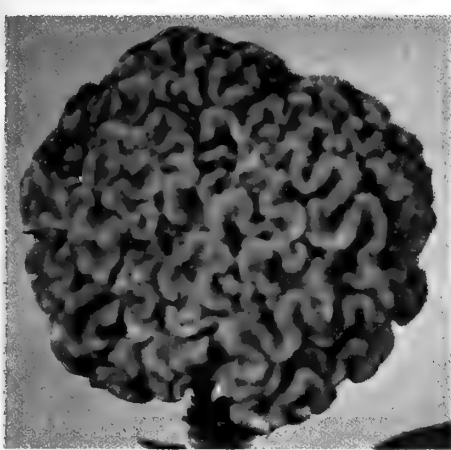


1320 **CARDINAL CLIMBER.** Pkt., 10c.

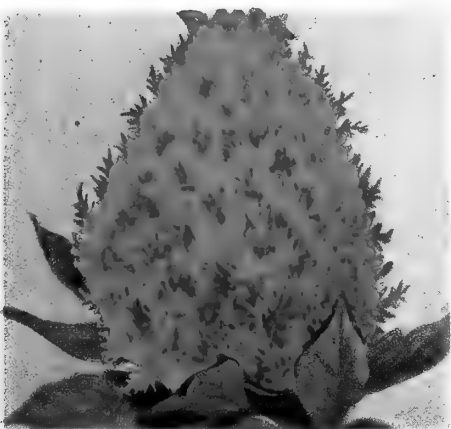
Cardinal Climber □ = 25 ft.

Culture: A or B, D or E, Page 58

1320 This is a very attractive, strong and rapid grower, attaining a height of 25 feet, with beautiful fern-like laciniated foliage and literally covered with a blaze of fiery cardinal-red flowers from mid-summer to frost. The flowers are about 1 inch in diameter and are borne in clusters five to seven blooms each. Like all Ipomoeas it delights in a warm, sunny situation and good, rich soil. The seed should be soaked in water a few hours before sowing and not planted outside until about May 1st. The vines are a favorite playground of dainty humming birds. Pkt., 10c; 3 pkts., for 25c.



1436 **CELOSIA** Gilbert's Maple Gold Pkt., 25c.



1463 **CELOSIA** Flame of Fire. Pkt., 25c.

Celosia (Cockscomb) □

Culture: A, B, D or E, Page 58

THE name Cockscomb is derived from the resemblance of the flower heads of the crested type to a cocks comb in form, though in texture they are like plush or chenille. The crested type thrive in light soil. Easily dried for winter use.

Crested Dwarf Sorts 8 to 10 in.

- 1410 **President Thiers.** Fine dwarf habit with bronzy foliage and large, velvety crimson combs.
 1415 **Empress.** Blood-red combs and brown foliage.
 1420 **Aurea.** Golden yellow combs.
 1421 **Rose.** 1430 **Dwarf Mixed.**
 Each of above, pkt., 15c.

Crested Tall Sorts 18 to 24 in.

- 1436 **Gilbert's Maple Gold.** 3 ft. The heads are almost globular, and the dominant color is a golden maple, with some flowers varying toward rose or pink. The plants bear eight to twelve heads, which can be increased if the center stem is pinched back. Do not feed. Pkt., 25c.
 1454 **Miracle Cockscomb Mixed.** Grows 2-3 ft. tall without branches terminated with enormous Cockscombs. September until frost. Pkt., 25c.
 1472 **Royal Velvet.** 2 ft. Produces center and numerous long-stemmed plumy heads of richest crimson, on basal branches. Foliage bronzy green with reddish margins. Pkt., 25c.
 1432 **Crimson.** Pkt., 15c.
 1435 **Tall Mixed.** Pkt., 10c.

Ostrich Plume Sorts

They generally form pyramidal bushes, and the numerous massive plumes which resemble ostrich feathers wave gracefully above the foliage. 2 to 3 ft.

- 1440 **Aurea.** Orange. 1447 **Scarlet.**
 1445 **Coccinea.** Crimson. 1450 **Mixed.**
 Each of above, pkt., 10c.
 1455 **Thompsoni Magnifica. Mixed.** 2-3 ft. A choice strain of the Ostrich Plume Celosias. Pkt., 10c.
 1475 **Dwarf Ostrich Plume Varieties Mixed.** 15 in. Good for pots and beds. Pkt., 25c.
 1463 **Flame of Fire.** 18-20 in. Perfect pyramidal habit with center head and many side branches of a lush green. The branches terminate in circular feathery combs of fiery scarlet. Pkt., 25c.

Popular Bachelor Buttons

Culture: A, B, D or E, Page 58

Centaurea Cyanus Super Double □

A perfected strain of this popular hardy annual, which every one can grow in any garden soil. They have larger flowers, more double, with more vivid coloring and long, wiry stems, making fine cut flowers. If the faded flowers are kept cut, the plants will blossom continuously throughout the summer.

- 1505 **Black Boy.** Blackish maroon.
 1506 **Blue Boy.** The true cornflower blue.
 1507 **Pinkie.** Lovely true pink.
 1508 **Red Boy.** Deep glowing red.
 1509 **Snowman.** Pure white.
 Each of above, ¼ oz., 30c; pkt., 15c; any 2 pkts. for 25c.
 1522 **Vaughan's Special Super Double Mixed.** ¼ oz., 25c; ½ oz., 40c; pkt., 15c.

White Leaved (Dusty Millers)

Culture: A, B, D or E, Page 58

All gardens need a few plants with gray foliage to tone down the brilliant colors. Sow early.

- 1595 **Candidissima.** 10 in. Thick silvery white leaves. Should be sown early. Pkt., 15c.
 1600 **Gymnocarpa.** 1½ to 2 ft. Foliage finely cut of silvery gray color. Pkt., 10c.
 1731 **CINERARIA Maritima Diamond.** 1½ ft. Pkt., 10c.



1522 **CENTAUREA** Cyanus Vaughan's Special Super Double Mixed. Pkt., 15c.

Various Centaureas

- 1480 **Americana (Basket Flower).** 3 ft. A splendid native variety; bears immense thistle-like blooms of rosy lavender color. Pkt., 10c.
 1485 **Americana Alba (Star Thistle).** 2½ ft. Immense heads of double fluffy blooms, almost pure white. Pkt., 10c.
 1504 **Centaurea Cyanus Jubilee Gem.** A dwarf variety, making a compact plant covered with double dark blue flowers. Foliage forms a tufted mass of bright green. 12 in. Pkt., 15c.

Giant Sweet Sultans Imperialis 2½ ft.

Culture: A, B, D or E, Page 58

Finest of all Sweet Sultans for cut flower purposes. The beautiful, artistic shaped flowers are borne on long, strong stems, when cut and put in water will last for several days in good condition. They have a soft fragrance and add beauty to the garden picture.

- 1550 **Brilliant Rose** 1565 **Deep Lavender.**
 1566 **Lavender Beauty.** Light lavender with creamy white center.
 1560 **Purple Crimson.** 1540 **White.**
 Each of the above, pkt., 10c; 3 pkts for 25c.
 1570 **Imperialis, Mixed.** ¼ oz., 25c; pkt., 10c.
 1580 **Suaveolens.** 2 ft. (Yellow Sweet Sultan or Grecian Cornflower.) Very showy, large, bright yellow flowers sweetly scented and a popular sort for cutting; lasting well. Pkt., 10c.

Other Celosias

- 1465 **Chinese Woolflower, Crimson.** Grows 2 to 3 feet high with many branches terminating in a flower head resembling a ball of scarlet wool.
 1466 **Chinese Woolflower Deep Rose.**
 1467 **Chinese Woolflower Yellow.**
 1468 **Chinese Woolflower Mixed.**
 Each of above Chinese Woolflower, per pkt., 15c.

Canary Bird Vine □ =

- 1250 A dainty vine 15 to 20 feet, with beautiful cut leaves and delicate flowers of a clear canary-yellow. From fancied resemblance to a bird the plant obtained its name. Does well in shade. Pkt., 15c.



1570 **CENTAUREA** Imperialis Mixed. (Sweet Sultan). Pkt., 10c.

CELOSIAS—Continued

- 1456 **Parrot's Feather.** The stocky, branched plant bears terminal flower heads of fantastic shapes and varied coloring including silvery pink and salmon, red, maroon, yellow and orange. Pkt., 10c.
 1460 **Pride of Castle Gould.** Compact pyramidal plants produce immense flower heads, resembling willow plumes in many shades. Pkt., 25c.
 1470 **Spicata.** 3 feet. Round, pointed bloom, 3 to 4 inches in length. At first a soft bright rose, changing to silver-white. Pkt., 15c.

Lilliput

The plants attain the height of 12 inches, consisting of 15 to 20 branches of even length all terminated by brilliant feathery cockscombs.

- 1476 **Fire Feather.** Red. Pkt., 25c.
 1477 **Golden Feather.** Yellow. Pkt., 25c.
 See also Novelties.

Annual Chrysanthemums

SUMMER "MUMS" OR PAINTED DAISIES

Single Flowering Varieties 20 in.

Culture: A, B, D or E, Page 58

Of the easiest culture; flower profusely during the summer and fall. They are showy in the garden and fine for cutting. They have a colored zone or halo around a dark eye with the main part of the flower a contrasting shade. Prefer heavy soil. All types should be pinched back to encourage branching.

1655 **Vaughan's Special Single Mixed.** Showy flowers of bright colors. Pkt., 10c

Double Flowering Varieties 2 ft.

1695 **Vaughan's Special Mixture of Double Chrysanthemums.** Pkt., 10c.

1700 **Vaughan's Special Mixture. Single and Double Sorts in Finest Mixture.**

Including many varieties not catalogued. Pkt., 10c.

See Novelty Pages for Korean Hybrids.

CINERARIA. See House Plants from seed, page 57.

Canna ÷ 2½ to 4 ft.

Cannas can be successfully grown from seed if planted early. Pour boiling water over the seeds; take them out after 24 hours and sow at once in sand. Give some bottom heat and cover ¼ to ½ inch. The seed germinates irregularly in two to four weeks.

1311 **New Varieties, Mixed.** Seeds from the collection of a French specialist who has given much attention to this plant. Pkt., 25c.

Double Clarkia □ 2 ft.

Culture: A, B, D or E, Page 58

The lovely Clarkias are effective in the garden or as cut flowers in the home. Great spikes of double and semi-double flowers in the daintiest colors are produced from the poorest soil. Plant in shade. If the roots are confined by growing in small pots, they will bloom earlier.

1735 **Albatross.** Pure white of upright growth.

1743 **Brilliant.** Bright carmine.

1749 **Firebrand.** Brilliant scarlet.

1746 **Illumination.** Orange mingled with rose.

1750 **La France.** A wonderful salmon pink.

1747 **May Blossom.** Pure glowing rose.

1748 **Orange King.** Bright salmon orange.

1751 **Purple Prince.** Rosy purple.

1755 **Queen Mary.** Bright carmine

1761 **Salmonea Perfecta.** True salmon.

1762 **Scarlet Queen.** Glowing scarlet.

Each of above, pkt., 10c; any 3 pkts for 25c.

1790 **Vaughan's Special Mixture.** Made up especially from the above named varieties: ½ oz., 25c; pkt., 10c.

Cynoglossum □ 18 to 24 in.

Culture: A, B, D or E, Page 58

2015 **Amabile, Blue Bird Chinese Forget-Me-**

Not. Produces long sprays of brilliant blue Forget-Me-Not like flowers. Grows easily and blooms for a long season. A most delightful addition to our list of blue flowers. ½ oz., 25c; pkt., 10c.

2020 **Firmament.** It is dwarf, free-blooming over a long season; flowers a bright indigo blue. It is to be recommended for growing in dry, even poor soil. 1½ ft. Pkt., 10c.

Coix □ 2 to 4 ft

Culture: A or B, Page 58

1850 **Lachrymae (Job's Tears).** This tender perennial is easy to grow and will mature its beautiful "beads," even in the North, if planted in the open ground in late May and given the same treatment as corn.

The seeds, when gathered and dried, are a silver-gray and the sprays leaves and all, are often dried for use in the winter vase. Owing to shortage of metal during the war years, these seeds have also been used in making rosaries. Oz., 50c; pkt., 10c.

Daisy Corner for Your Garden

2050 **Vaughan's Mixture of Annual Daisies.**

These simple flowers have a charm of their own. We have a mixture of the most popular sorts. They will add a definite touch to your garden besides good cutting material for the home. Pkt., 25c.



1855 **COLEUS** Vaughan's Rainbow Mixed. Pkt., 35c.

Coleus □ 2 ft.

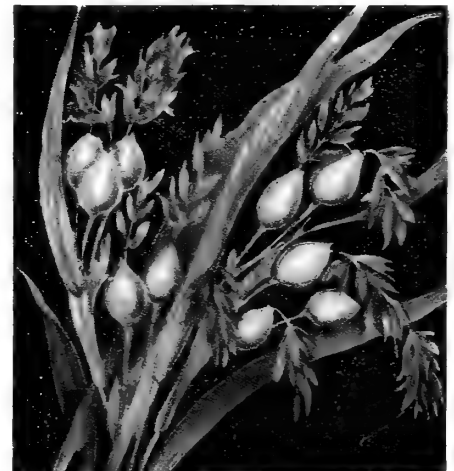
Culture: D or E, Page 58

Very handsome and decorative plants with foliage of brilliant varied colors, many having fantastic markings. Plant in full sun for complete development of color. Also good house plants

1855 **Vaughan's Rainbow Mixture.** The handsomest foliage plant obtained from seed. The leaves are very large and their color combinations are remarkably rich. Pkt., 35c.

1864 **Glory.** A mixture of bronze, pink, apricot, cream, etc. A remarkably fine strain; unequaled for the beautiful form and coloring of its large leaves. Pkt. 50c

1857 **Large Leaved Mixed.** Pkt., 35c.



1850 **COIX** Lachrymae (Job's Tears.) Pkt., 10c.

CLEOME PUNGENS — Pink Queen. See Novelties



1700 **CHRYSANTHEMUM** Vaughan's Special Single and Double Annual Mixed. Pkt., 10c.



1790 **CLARKIA** Vaughan's Special Mixture. Pkt., 10c.



2015 **CYNOGLOSSUM** Blue Bird. Pkt., 10c.

Cosmos from July to Frost ☐

Culture: A, B, D or E, Page 58

Plants of graceful beauty, fine feathery foliage and large flowers. While the early varieties begin blooming in July, the Cosmos reaches the height of its beauty in the autumn. The new giant early varieties are wonderful cut flowers, holding in good condition for 10 days after cutting. We list only the early flowering varieties, as the late varieties are so apt to be taken by early frosts. Try the effect of Cosmos Sensation Pink with White Nicotiana Affinis in a low bowl for a lovely fairy-like combination.

Sensation, New Giant Early Strain

Early flowering, blooming in about 12 weeks from sowing. The flowers are very large, 4 to 5 inches across, with heavy fluted petals. Height about 4 feet. By disbudding, enormous flowers can be obtained.

- 1964 **Dazzler.** Very rich, deep crimson.
 1968 **Pink.** A delightful rose-pink selection.
 1967 **Purity.** A white with satin sheen.
 1966 **Sensation Special Mixed.**

Each of the above, pkt., 25c; 3 pkts. for 65c.

Single Early Flowering Mammoth 3 ft.

- 1935 **White.** 1945 **Crimson.** 1940 **Pink.**

Each of the above, pkt., 10c; 3 pkts. for 25c.

- 1950 **Early Flowering Mammoth Mixed,** all colors. $\frac{1}{4}$ oz., 20c; pkt., 10c.

Double Early Flowering 3 ft.

Forms a perfect bush, massed with bloom, bearing beautiful flowers of good size, on long stems, about 65 per cent coming double.

- 1990 **Pink.** 1991 **White.** 1992 **Crimson.**

Each of the above, pkt., 25c; 3 pkts. for 65c.

- 1994 **Double Mixed.** Above 3 colors. $\frac{1}{4}$ oz., 40c; pkt., 25c.



1966 COSMOS Sensation Special Mixed. Pkt., 25c.



1982 COSMOS Orange Ruffles, Semi Double. Pkt., 25c.

Cypress Vine ☐ = 10 ft.

Culture: A B, D, or E, Page 58

A graceful, twining annual climber with fernlike foliage and star shaped blossoms. Sow in May, first soaking seeds in warm water

- 2040 **Mixed.** Scarlet and white. Pkt., 10c.

Quaint Collinsias

Like a Pagoda.

☐ 18 in.

Culture: A or B, Page 58

- 1870 **Collinsia Bicolor** Violet and White.

Also known as "Chinese Houses" because the tiers of whorled deeply-lipped flowers suggest Chinese pagodas. Grows in common soil, blooms freely from June to October. Good cut flower material, also fine for bedding and edging. Pkt., 10c.



1870 COLLINSIA Mixed. Pkt., 10c.

- 1982 **Orange Ruffles, Semi-Double.** Vivid golden orange, the two or three extra rows of petals lend an airy butterfly-like beauty to the richly colored blossoms. Extremely free blooming, flower 10 days to 2 weeks before Orange Flare and remain in flower six weeks. Pkt., 25c.

- 1979 **Orange Flare.** Well-branched plants, 3 ft. tall, covered with showy golden orange, flowers in about 3 months from seed, and blooms with increasing freedom until killing frost. Sow outdoors when soil is warm, or indoors with bottom heat of 70 degrees. Give full sun. Does not need staking. Pkt., 15c.

- 1980 **Yellow Flare.** Bright clear yellow. The single flowers are about 2½ in. across, produced in great masses on 3 ft. plants. Delightful when used in flower arrangements. Pkt., 25c.

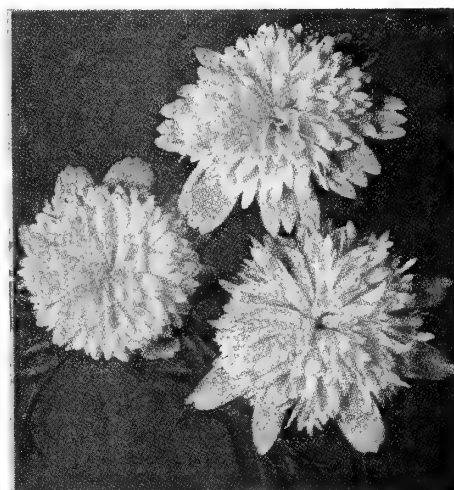
CYCLAMEN Seed see "House Plants from seed," page 57

Cuphea, Firecracker Plant ☐

Culture: A or B, Page 58

- 1998A **Avalon Hybrids.** Compact plants seeming to be covered with fluttering, bright-hued butterflies. In lavender, lilac, pure pink, rose-purple, crimson, fire-scarlet and vermillion. Pkt., 25c.

- 1999 **Firefly.** 10 inches. A colorful border or edging plant, dwarf, compact, neat in habit, and showy. Small, delicate butterfly-like flowers of fiery red are freely produced. Flowers in 12 to 14 weeks from seed and blooms continuously. Pkt., 25c.



1990 COSMOS Double Early Flowering Pink. Pkt., 25c.

Datura (Angel's Trumpet) ☐ 3 ft.

Culture: A, B, D or E, Page 58

Handsome subtropical plants for summer bedding, having large trumpet-shaped fragrant flowers. Seed must be planted indoors early to bloom in September. They should be given a light soil and sun.

- 2110 **Double White** Pkt., 10c.

Dolichos ☐ = 10 ft.

Culture: A, B, D or E, Page 58

If you have a wire fence which you want covered, we know of no plant more decorative than this. The flowers stand upright like Hyacinth flowers and are followed by attractive seed pods.

- 2330 **Princess Helen (Daylight).** Snow-white flowers, silvery seed pods. Pkt., 10c.

- 2335 **Purple Soudan (Darkness).** Rose-violet flowers, ruby-purple seed pods. Pkt., 10c.

- 2340 **Mixed.** Pkt., 10c.

- 2345 **Lignosus (Australian Pea Vine).** A rapid-growing evergreen climber, flowering freely in clusters of rose pea-shaped flowers. Pkt., 10c



2340 DOLICHOS Mixed. Pkt., 10c.



2086 DAHLIA Unwin's Dwarf Hybrids. Pkt., 25c.



2310 DIDISCUS Lavender Lace Flower. 10c.



2320 DIMORPHOTHECA, Gold Daisy, Pkt., 25c.

Grow Dahlias from Seed □

Culture. D or E, A or B, Page 58

Flowers in 60 Days

2086 UNWIN'S DWARF HYBRIDS. This remarkable strain produces branching plants 2 to 3 feet tall bearing semi-double flowers 3 inches in diameter, of lovely soft pink, lavender, red, orange, yellow and maroon. They are as easily grown from seed as zinnias, and blossom in sixty days from seed sown in the garden row. Sow after the ground warms up and danger of frost is over, and give each plant at least one foot in the row. They give a striking effect in the border and are unsurpassed as cut flowers. They flower until frost kills the plants and produce tubers which can be saved. Pinched back, they make fine pot plants. 1/4 oz., \$1.00; 1/8 oz., 60c; pkt. . . . **25c**

It is easy, most interesting and fascinating to grow Dahlias from seed. If the seed is started early, plants will bloom the same season. Sow in a shallow box or pan in March or early April, transplant them carefully as their growth demands, and keep the soil moderately moist. When all danger from frost is over, plant in the garden.

2087 Unwin's Ideal Bedding Mixed. The flower petals are nearly all twisted. Double and semi-double in many charming colors, excellent for cutting. Pkt., 25c.

2091 Zulu Strain. Dark bronzy leaved plants of the Unwin type, with semi-double flowers of crimson and scarlet. Pkt., 35c.

Single Flowering

2056 Coltness Hybrids. 18 in. Habit neat and compact, blooms from July until frost. The flowers have either flat or slightly fluted petals, nearly all 3 in. in diameter. Pkt., 25c.

2057 Coltness Gem. 18 in. Bright scarlet, varies. Pkt., 25c.

2065 Giant Perfection Mixed. 4 ft. The plants are of strong, robust habit, and produce in great abundance flowers of immense size, of the most bewildering variety of color. Pkt., 10c.

Double Dahlias

2080 Double Best Mixed. 3 ft. Saved from show and fancy sorts. Pkt., 25c.

The Unwin's dwarf Dahlias which I ordered last year gave me much pleasure and were all you claimed them to be. Mrs. R. B. H.



2358 ECHIUM Blue Bedder. Pkt., 25c.



2435 EUPHORBIA Variegata (Snow on the Mountain). Pkt. 10c.

Didiscus □ 3 ft.

Culture: A, B, D or E, Page 58

2310 Coeruleus (Lavender Lace Flower). Charming blue annual, with dainty lavender and blue flowers which resemble Queen Anne's Lace of our roadsides. Excellent cut flower. 1/4 oz., 25c. Pkt., 10c.

Golden African Daisy DIMORPHOTHECA □

Culture: A, B, D or E, Page 58

Showy annuals from South Africa, about 1 ft. tall with gorgeous, Daisy-like blooms during summer and fall. Easy culture in well-drained soil, sunny exposure.

2320 Gold Daisy. 1 ft. A rich orange gold, which is rendered more conspicuous by dark center disc. Pkt., 25c.

2322 Salmon Beauty. Soft salmon pink. Pkt., 10c.

2325 Hybrids. They vary in color from pure white to red and blush including sulphur, lemon and bright golden yellow, light orange, reddish yellow and pale salmon-rose. Pkt., 10c.

2326 Ecklonis. 3 ft. White 3 inch, blossoms of velvety texture marked with a rich blue or purple eye; are produced on bushes with branching stems, from August, surviving light frosts. Pkt., 15c.

2318 Glistening White—See Novelty Pages.

DRACAENA Indivisa see House Plants from seed, Page 57

Euphorbia □ 2 ft.

Culture: A, B, D or E, Page 58

2430 Annual Poinsettia, or Mexican Fire Plant. Resembling in habit and color the beautiful hot-house Poinsettia. About mid-summer the center top leaves of each branch turn orange-scarlet. Pkt., 10c.

2435 Variegata (Snow on the Mountain or Mountain Spurge). 2 ft. Remarkably distinct plant; very showy with its foliage edged white and green. 1/4 oz., 25c; pkt., 10c.

Echium □ 12 to 18 in.

Culture: A or B, Page 58

2358 Blue Bedder. Deep bright blue bell flowers in compact bushy plant. Good bee plant. They thrive in poor soil. Will give masses of flowers for months. Pkt., 25c.

Everlastings—Annual For Winter Bouquets

Culture: A, B, D or E, Page 58

2440 Everlastings Mixed. 1 to 2 ft. A mixture of all varieties we list. Pkt., 15c.

Brilliant Annual Pinks □

DIANTHUS 1 ft.

Culture: A or B, D or E, Page 58

A magnificent family producing their gay, sweet scented flowers in great profusion. They embrace a great variety of forms and come in a remarkably wide range of beautiful and rich color combinations. Sown in April where they are to bloom, and slightly thinned they make a wonderful show from July until cut down by frost. Many of this family will live over in our (Chicago) latitude.

2250 Single Sweet Wivelsfield, Mixed Colors. A cross of Dianthus Allwoodi and Sweet William blooming the first year from seed. The flower heads resemble Sweet William in an almost unbelievable range of colors. Pkt., 15c.

2251 Double Sweet Wivelsfield. The original single was a cross of the Dianthus Allwoodi and Sweet William. This has the same characteristic only the flowers are double. Brilliant colors, some with honey fragrance. Pkt., 25c.

2189 Segueri. Big bushy plants, long-laden with large notch-petalled blossoms that may be anything from soft pink to deep carmine, usually marked with maroon circles and white dots. Blooms from mid-July until well into autumn. Pkt., 25c.

2300 Dianthus Vaughan's Special Mixture of Double Pinks. Selection of the best double pinks in cultivation, ranging in color through all the most brilliant shades. $\frac{1}{2}$ oz., 40c; pkt., 10c.



2231 DIANTHUS Westwood Beauty Pkt., 25c.

Double Flowering

2257 Chinese Double Mixed. Handsome clusters of very double flowers; many bright colors.

2258 Heddewigii

Double Mixed. A fine mixture of colors, varying from the richest crimson to delicate rose.

2290 Diadem Double Mixed.

2290 Fireball. Large, rich, blood-red.

2239 Salmon King. Pink.

2293 Snowdrift. Giant, fringed white flowers. Each of the above, pkt., 10c; any 3 for 25c.

2279 Imperialis Double White. Pkt., 10c.

2242 Laciniatus Double Mixed. Pkt., 10c.

2241 Laciniatus Vesuvius. Orange scarlet. Pkt., 10c.

2244 Latifolius Atrococcineus. Fine double scarlet. Pkt., 15c.

2245 Vaughan's Special Mixture, Single Pinks. The flowers are extraordinarily large and embrace colors ranging from white to pink and deep crimson. $\frac{1}{2}$ oz., 40c; pkt., 10c.

Single Flowering

2236 Heddewigii Large Flowered Single Pinks. Flowers 2 to 3 inches in diameter, borne profusely. Colors include pink, rose and white, and many marked with rose and red centers.

2240 Laciniatus Splendens. Flowers of brilliant crimson, over 2 inches across, with fringed petals, have a boldly contrasting white center.

2243 Mirabilis Single Mixed. Petals are deeply cut in fringes all shades from pure white to purple.

2196 Salmon Queen. Salmon scarlet. Each of the above, pkt., 10c; any 3 for 25c.

2301 Vaughan's Special Mixture of Double and Single Pinks. This magnificent mixture contains the cream of the annual pinks, both single and double. $\frac{1}{2}$ oz., 50c; Pkt., 20c.

Erysimum

Culture: A or B, D or E, Page 58

2361 Perofskianum (Fairy Wallflower). □ 12 to 18 inches: A particularly attractive annual for growing in masses in beds or in borders. Bears bright orange fragrant flowers in profusion during the summer. One of the showiest and easiest grown of all hardy annuals. Will thrive in fairly good soil. Pkt., 10c.



2245 Vaughan's Special Mixture, Single Pinks, Pkt., 10c.

Dark Beauty

2231 Dianthus Westwood Beauty. Secured Honorable Mention, 1946. It is really a large flowered hybrid of D. Heddewigii and Chinensis. Grows 15

in. and has the largest flowers of any of the Chinese Pinks. The color varies between deep crimson and velvety red, the lacinated flowers being carried on long, wiry stems. 25c.

California Poppy

ESCHOLTZIA □ 12 in.

Culture: A, B, D or E, Page 58

Dainty free flowering plants of easiest culture with gaily colored Poppy-like flowers with a satiny finish. Plants of low spreading growth with finely cut silvery foliage. Do well in any well drained, loose soil and sunny position. Blooms early and continues until frost.

Dwarf Erect Varieties 1 ft. (Californica).

2414 Ramona Hybrids, Finest Mixed. The flowers are beautifully frilled and fluted, the petals form a flower which appears double.

Spreading Varieties 1 ft. (Californica).

2385 Golden West. Bright yellow, orange center.

2387 Mandarin. Inside orange, outside scarlet.

2398 The Geisha. Brilliant gold inside, orange-crimson outside, fluted.

Each of the above, pkt., 10c; 3 pkts. for 25c

2389 Monarch Art Shades. A compact strain of large-flowering semi-double ranging through light rose to deep rose and carmine, and from deep golden yellow orange and scarlet flowers. Pkt., 10c.

2415 Vaughan's Special Mixture. This mixture includes all the varieties here catalogued and is the most complete mixture of these charming annuals in existence. $\frac{1}{2}$ oz., 40c; Pkt., 15c.



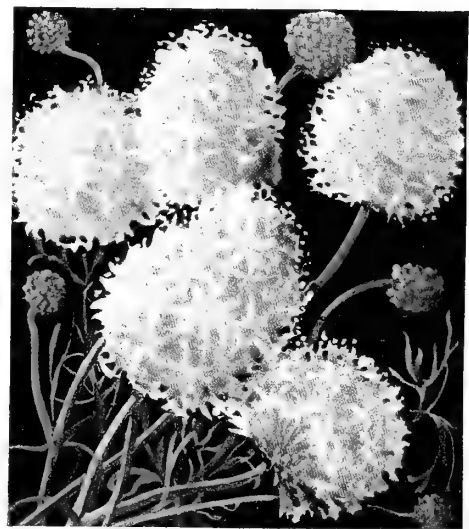
2415 ESCHOLTZIA Vaughan's Special Mixture. Pkt., 15c.

Blue Gilia □

Culture: A, B, D or E, Page 58

2532 Capitata (Blue Thimble Flower). 2 ft Bushy plant of erect habit with fine feathery foliage covered all summer with rich lavender-blue flowers, 1 inch across. Makes a good cut flower. May also be dried and used as everlasting. $\frac{1}{4}$ oz., 25c. Pkt., 10c.

2530 Mixed. 1 ft. Exceedingly graceful, early flowers and valuable for bees. Charming in border. Pkt., 10c.



2532 GILIA Capitata. Pkt., 10c.



2476 **GAILLARDIA** Giant Double Sunshine Pkt., 25c.



2681 **GYP SOPHILA** Elegans Grd. Alba. 15c.



2810 **HELICHRYSUM** Vaughan's Special Mixture. Pkt., 15c.

Gaillardia □

Culture: A, B, D or E, Page 58
One of the most profuse bloomers of the flower garden. Gaillardias grow best in full sunlight. The double varieties are among finest of annuals for cut flowers and deserve to be included in every list. 18 in.

- 2475 **Lorenziana Double Mixed.** 1/8 oz., 25c; pkt., 10c.
- 2476 **Vaughan's Giant Double Sunshine.** Harmonious blend, ranging from almost self red with yellow tips, until some flowers are pure self yellow. Fully double blooms, 2 1/2 to 3 in. across on stiff stems, 2 1/2 ft. tall. 1/8 oz., 60c, pkt., 25c.
- 2471 **Picta Indian Chief.** 1 ft. Attractive flowers of deep coppery scarlet, accentuated by a dark brown center. Dense, bushy plants. Pkt., 10c.
- 2470 **—Single Mixed.** Pkt., 10c.
See also Perennial Pages.

Gomphrena (Globe Amaranth)

Culture: A, B, D or E, Page 58. 18 in. □
A showy annual everlasting with clover-like heads.
2520 **Orange.** Blossoms resemble a ripe strawberry in color and markings. Start in sandy soil in gentle bottom heat. Pkt., 10c.
2510 **Rubra, Red.** Pkt., 10c. 2525 **Mixed.** Pkt., 10c.

Gypsophila □

Culture: A, Page 58
Graceful plants of light fairy-like growth. The misty bloom adds interest to a bouquet.
2681 **Elegans Grandiflora Alba Special Selection.** This is extremely free blooming, and petals considerably broader, making the flowers nice and round, without the usual cartwheel effect. About 10% will be the smaller flowered type. Oz., 60c; 1/2 oz., 40c; 1/4 oz., 25c; pkt., 15c.
2682 **Elegans Vivid Rose.** Pkt., 10c.
2683 **—Crimson.** Pkt., 10c.
2686 **—Mixed.** 1/4 oz., 25c; pkt., 10c.
See also Perennial Pages

Helichrysum □ 3 ft.

Culture: A or B, D or E, Page 58
For winter bouquets, Straw Flowers should be cut before the centers open, and be hung upside down in a cool, dark place to dry. The foliage should be stripped off, and if it is desired, a fairly stiff wire may be twined about each stem to make them easier to handle in arranging them in bouquets. To grow large flowers, disbud allowing only one bud to remain on each stem.
2775 **Fire Ball.** 2770 **Silver Ball.**
2780 **Golden Ball.** 2771 **Silvery Pink.**
2785 **Rose Queen.** 2795 **Violet Queen.**
2790 **Salmon Queen.**
Each of the above, pkt., 10c; any 3 pkts., 25c.

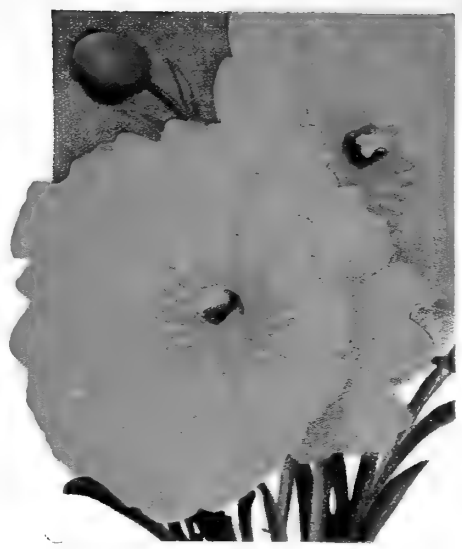
2810 **HELICHRYSUM** Vaughan's Special Mixture of Helichrysums. This is a balanced blend of the varieties listed and many other color tones in large flowered strains, giving an amazing collection of flowers for winter bouquets. 1/8 oz., 25c. Pkt. 15c

Godetia (Satin Flower) □

Culture: A, B, D or E, Page 58
Attractive, bushy plants with masses of large, colorful blooms during the summer and fall. Thrive best in a cool, moist soil and half-shady situation.
Upright Growth, Single Flowers 1 1/2 ft.
2571 **Duke of York.** Rich scarlet on white.
2574 **Kelvedon Glory.** 16 in. Glowing salmon orange, of exceptional brilliance, robust and free. Each of the above, pkt., 10c.
Upright Growth, Double Flower 2 ft.
2591 **Gladiolus Flowered, Mixed.** Different from others, producing flowerspikes much like a Gladiolus, which are closely set by double flowers in bright attractive colors. Pkt., 10c.

Dwarf Double Azalea Flowered

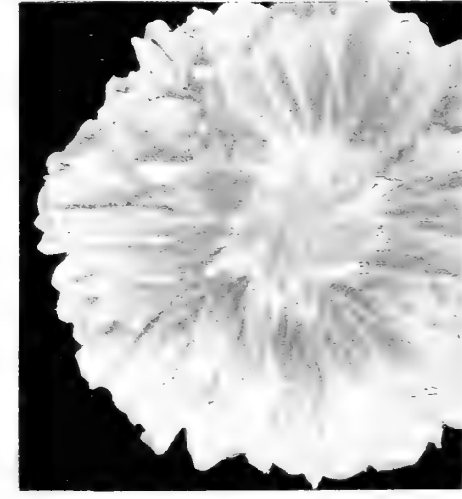
- 2598 **Double Dwarf Mixed.** Pkt., 10c.
- 2581 **Sybil Sherwood Double.** The flowers completely hide the foliage beneath a canopy of beautiful bright salmon pink, white edged flowers. Pkt., 10c.



2861 **HUNNEMANNIA** Sunlite. Pkt., 15c.

Hunnemannia □ 1 1/2 ft.

Culture: A or B, D or E, Page 58
2860 **(Bush Escholtzia, or Santa Barbara Poppy).** The plants grow into shrubby bushes, producing their large cup shaped flowers 3 in. across on stems 12 in. long. The petals are broad and crinkled. Does best in well limed sandy soil. Soak seeds overnight before sowing. 1/4 oz., 25c; pkt., 10c.
2861 **Sunlite.** Gorgeous, semi-double, clear canary-yellow blooms. The extra rows of short petals are on the outside instead of the inside of the Tulip-shaped flowers. Light gray-green foliage. Flowers last two to three days as a cut flower. 1/8 oz., 50c; pkt., 15c.



2842 **HOLLYHOCK** Indian Spring. Pkt., 15c.

Hollyhocks (Annual) □ 5 ft.

Culture: A or B, D or E, Page 58
These annual kinds bloom the first year and will live over winter and last for several years, if sown in the open ground in April, they will be in flower in August, but if started indoors and set out in May, they will bloom in July. Very striking planted near hemlocks or used for roadside planting.
2845 **Everblooming Double Mixed.** Double and semi-double. 1/8 oz., 35c; pkt., 10c.
2840 **Everblooming Single Mixed.** Large single flowers, exhibiting every shade known in Hollyhocks. 1/4 oz., 25c; pkt., 10c.
2842 **Indian Spring.** 6 ft. Bright rose splashed with carmine semi-double flowers, reminding one of fresh strawberry ice cream. Flowering branches are produced freely. Pkt., 15c.

(For others, see Perennial Pages).

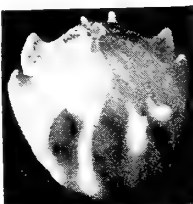
Be sure and plant some Perennial Seeds early this summer for next year's blooming.



GOURDS, Varieties Illustrated are, 1. Bottle Miniature (2607); 2. Ornamental Pomegranate (2630); 3. Large Dipper (2610); 4. (Can not offer seed); 5. Hercules' Club (2618); 6. Turk's Turban (2645); 7. Spoon (2643); 8. Warted Sorts (2646).

Crown of Thorns Gourd

- 2609** Also known as Finger Gourd, Holy Gourd, Gourd of the Ten Commandments and Sugar Bowl. Ten prongs extend from the ridges or angles, standing free from the front part of the fruit. The fingers are hollow when inside pulp or fiber dries away. The shell is hard and durable. Base of the Gourd, about the stem, shows the ten customary main grooves. It is white or ivory-white. Pkt., 25c.



LARGE FRUITED GOURDS

- 2605 Bottle.** The original Thermos bottle. Makes fine bird houses.
- 2608 Calabash Pipe. Powder Horn or Penguin Gourd.** Odd-shaped fruit which is used in making pipes
- 2610 Dipper (3).** Fruit makes an excellent dipper and may be used for birds' nests.
- 2615 Dishcloth.** Fruit is made up of a spongy-like porous pulp which may be dried and used as a sponge. To speed up germination of Dishcloth Gourd, pour very hot water over seed and allow to stand for 12 hours. Plant immediately.
- 2618 Hercules' Club (5).** Fruit grows 3 to 4 ft. long.
- 2622 Maranka (Cave Man Club or Dolphin).** Knobby club shaped, dark green.
- 2640 Sugar Trough.** Thick shells, very durable.
- 2645 Turk's Turban (6).** Odd brightly colored fruit. Intermediate in size.

Each of above, pkt., 10c; any 3 pkts. for 25c.

- 2651 Large Fruited Sorts.** Mixed. Pkt., 10c; 3 pkts for 25c.

SMALL FRUITED GOURDS

- 2600 Apple-Shaped.**
- 2607 Bottle Miniature (1).**
- 2625 Nest Egg.** Practical nest eggs.
- 2627 Orange.** The well known Mock Orange.
- 2630 Ornamental Pomegranate (2).** or Queen's Sweet Pocket Melon. Fruit deliciously perfumed and may be carried in the pocket or laid among linens.
- 2637 Pear Shaped Mixed.**
- 2643 Spoon (7).** Small ball-shaped fruit with slender necks, deep orange. By slicing off a side a satisfactory spoon is made.
- 2646 Warted Sorts (8). Mixed.**
- Each of the above, pkt., 10c; any 3 pkts. for 25c.
- 2650 Small Fruited Varieties Mixed.** Pkt., 10c; 3 pkts. for 25c

- 2660 Vaughan's Special Mixture.** All shapes and sizes of these interesting fruits, so fashionable for ornaments, bird houses, and utensils, are included in this mixture. 1 oz., 75c; ½ oz., 40c; pkt. 15c

Gourds □

Culture: A, B, D or E, Page 58

Large Gourd fruits make attractive decorations at harvest festivals. The small ones may be placed in bowls for table decorations. Bird houses, dippers, bowls, and toys are made of others. Leaflet on culture sent free if asked for with order.

Sow with Gourds for Decorative Effect:

- 1927 CORN Calico Indian or Squaw.** The ears are used in making charm or Patio strings combined with the small gourd fruits. The kernels are of various bright colors. Oz., 25c; pkt., 10c.
- 1928 CORN Strawberry.** See Novelty Pages.
- 3211 MARTYNIA Proboscidea (Unicorn Plant).** Tall, bushy heavy leaves, medium green. Fragrant creamy white flowers, producing fruits like unicorn or curved horn tapering to the blossom end. 18 to 24 in. Pkt., 15c.

Impatiens (Zanzibar Balsam)

For Shady Locations.

Culture: A or B, D or E, Page 58

÷ □ 1½ ft.

One of the best for pot culture and planting in a shaded situation. Remarkable for duration of bloom.

- 2875 Holstii.** Of rapid, vigorous growth, producing large flowers of salmon-scarlet. Pkt., 25c.
- 2880 Holstii Hybrids.** Range from pink through red shades to purplish-violet. Pkt., 25c.
- 2882 Sultani Hybrids.** Colors range from pale pink to dark crimson. Pkt., 25c.

Fragrant Heliotrope □ 2 ft.

Culture: A or B, D or E, Page 58

Heliotrope is a universal favorite on account of its delightful fragrance and duration of bloom, flowering equally well as bedding plants in summer, or as pot plants in the house during the winter. Seeds sown in the spring make fine plants for bedding out, however, some do not have fragrance, and in order to perpetuate those that do, they should be grown from seed, then propagated vegetatively.

- 2820 Mammoth Mixed.** Large flowers ranging from dark blue to lilac. Pkt., 15c.

Annual Hibiscus □

Culture: A or B, Page 58

- 2836 Trionum.** The plants are uniform, stiff and rugged, requiring no staking, and bloom from June to frost-time. The flowers are three inches across, of cream with a center of dark purple, dotted with orange stamens. Pkt., 15c.

For other varieties, see Perennial Pages.

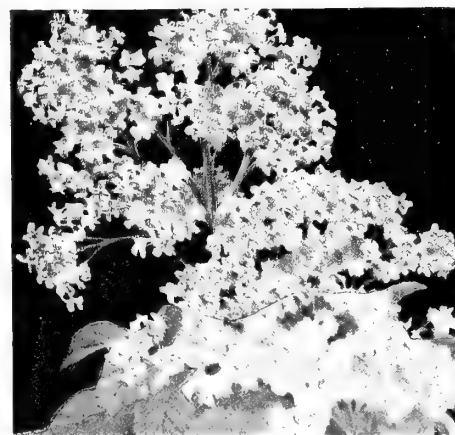
Lantana + 1 ft.

Culture: D or E, Page 58

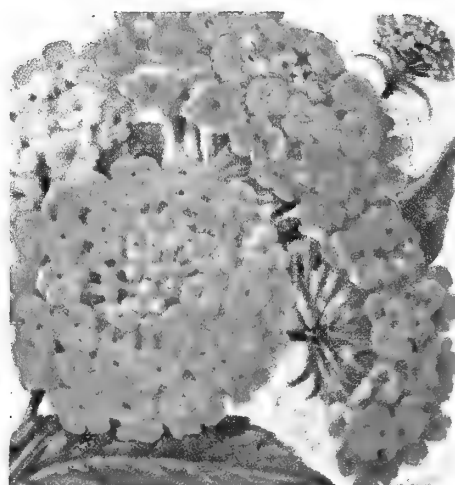
- 2975 Hybrida Tall Mixed.** Plant with Verbena-like flowers in shades of white, red and yellow. May be grown in pots, or set out in summer; remains in bloom late in autumn. They have an agreeable aromatic perfume. } Not Available.
- 2980 Dwarf Hybrids.** Mixed.



1927 CORN Calico Indian or Squaw. Pkt., 10c.



2820 HELIOTROPE Mammoth Mixed. 15c.



2975 LANTANA Hybrida Mixed.

Annual Larkspurs

ANNUAL Larkspurs give fine spikes of bloom that are exceedingly graceful and attractive. Real treasures for cutting. Perfectly hardy. Sow very early in spring, thin out the seedlings as necessary and give each plant room for development. Seed may also be sown in late fall just before the ground freezes up for the winter for early flowers the following spring. In the summer germination is improved by chilling the seed several days in the refrigerator.

Culture: A or B, D or E, Page 58

Double Giant Imperial (Base Branching). ☐ 3 to 4 ft.

These Larkspurs are ideal for cut flowers as the flower stems, three to four feet long, branch from the base of the plants.

- 2151 **Blue Bell.** A fine medium blue.
 - 2166 **Blue Spire.** Deep Oxford blue.
 - 2152 **Carmine King.** Deep carmine rose.
 - 2171 **Coral King.** Blush pink with a suffusion of coral
 - 2153 **Daintiness.** Delicate lavender.
 - 2172 **Dazzler.** A rich scarlet base.
 - 2155 **Exquisite Pink Improved.** Soft pink shaded salmon.
 - 2173 **Gloria Improved.** A rich deep rose-salmon.
 - 2160 **Lilac King.** Rich lilac.
 - 2167 **Lilac Spire.** Lilac.
 - 2156 **Los Angeles.** Best pink.
 - 2157 **Miss California.** Deep pink shaded salmon.
 - 2162 **Pink Perfection.** Lively light pink, large double florets, excellent upright habit.
 - 2163 **Sweet Lavender.**
 - 2175 **White King.** Pure glistening white with rounded broad petals.
- Each of the above, pkt., 15c; any 3 pkts. for 35c; any 6 pkts. for 60c.
- 2159 **Giant Imperial Mixed.** The above and others. Oz., \$1.60; ¼ oz., 50c; pkt., 15c.

Double Stock Flowered ☐ 3 to 4 ft.

- 2190 **Dark Blue.**
 - 2138 **Rosamond.** A pure rose color.
 - 2139 **Rose Queen.** Soft rose.
 - 2140 **Sky Blue.**
 - 2145 **White.**
- Each of the above, pkt., 10c. Any 3 pkts. for 25c.
- 2150 **Stock Flowered Mixed.** All colors. Oz., \$1.00; ¼ oz., 30c; pkt., 10c.

Super Majestic 5 ft.

The double large flowers are closely set on tall 5-foot spikes and the vigorous growth and abundance of bloom make this new strain especially useful for cut flowers and border backgrounds.

- 2179 **Lavender.** Fine lavender.
 - 2180 **Rose.** An attractive salmon rose.
 - 2181 **White.** Pure glistening white.
 - 2182 **Super Majestic Mixed.**
- Each of the above, pkt., 25c. 1 pkt. each and 3 packets for 65c.

CHINESE LARKSPUR (Delphinium Chinensis). ☐ ①

The Chinese Delphinium blooms from seed the first year if sown early and may be treated as an annual though it is a hardy perennial and plants will last many years. Fine for beds and border masses. Rarely needs staking and is covered with flowers all summer and fall.

- 7520 **Chinese Blue.** 2-3 ft. Pure blue. Pkt., 10c.
- 7525 **—Album.** 2-3 ft. Pure white, 10c.
- 7522 **—Cambridge Blue.** 2 to 3 ft. A good light blue. Pkt., 25c.
- 7530 **—Mixed.** Pkt., 10c.

Chinese Larkspur Blue Mirror. See Novelty Pages.

3038 LISIANTHUS RUSSELLIANUS See page 57 House Plants from seed.

2170 **LARKSPUR, Vaughan's Special Annual Mixture.** Charming mixture containing all the bright and delicate shades, makes wonderful cut flower material and should be planted generously. They should be grown in good rich well-manured soil, and in a full sunny position. The plants, moreover, should be given plenty of room in order to allow them to branch out freely, and make handsome specimens. 1 oz., \$1.00; ¼ oz., 15c 30c; pkt.

Lovely Blue Lobelias

Culture: D or E, A or B, Page 58

Dwarf Varieties

The compact class form bushy plants fairly sheeted with bloom throughout the season. Highly desirable for edgings, ribbon bedding and garden decoration.

- 3040 **Bedding Queen.** 4 in. Dwarfest, best for ribbon bedding. Flowers deep purplish-violet, with clear white eye. Pkt., 15c.
 - 3041 **Blue Gown.** Clear deep blue, without eye, fine compact habit. Pkt., 25c.
 - 3042 **Blue Stone Re-Selected.** Compact habit, large flowers of brilliant mid-blue. 4 in. Pkt., 25c.
 - 3053 **Cambridge Beauty.** Large light blue flowers, green foliage. Pkt., 25c.
 - 3045 **Crystal Palace Compacta.** 4 in. Deepest blue, dark foliage. Pkt., 10c.
 - 3050 **Emperor William.** Gentian blue flowers, light foliage, one of the best and most popular sorts. 4 in. Pkt., 10c.
 - 3052 **Gracilis.** 10 in. Light blue. Pkt., 10c.
 - 3056 **Snowball.** White. Pkt., 10c.
 - 3070 **Mixed Colors.** Pkt., 10c.
 - 3067 **Tenuior.** 15 in. Upright habit, large flowers of rich cobalt blue with white eye. Pkt., 15c.
- Lobelia Cardinalis.—See Perennial Pages.

Trailing Lobelias

Are especially effective in hanging baskets or window boxes, where a long drooping effect is desired.

- 3064 **Hamburgia.** Sky blue with white eye. Pkt., 15c.
- 3065 **Sapphire.** Large, deep blue flowers, with a pure white eye. Pkt., 15c.
- 3060 **Speciosa.** 10 in. Dark blue, dark foliage. Pkt., 10c.

Humulus

Culture: A or B, D or E, Page 58

Rapid climber; foliage luxuriant, making a dense covering for verandas, trellises, etc. Heat, drought and insects do not trouble it.

- 2850 **Green Leaved.** Pkt., 10c.

Flowering Kale

2458 **Flowering Kale.** Although belonging to the Cabbage or Kale family, this Flowering Kale is entirely different as to its appearance. In young stage its leaves are green just like ordinary Kale, but in autumn as the season advances remarkably beautiful colors begin to appear and paint whole plant self colors or mixed colors. The colors range from white, cream, pink, rose, magenta, etc., on dark green ground. As the plants grow, the colors become more brilliant. Pkt., 25c.

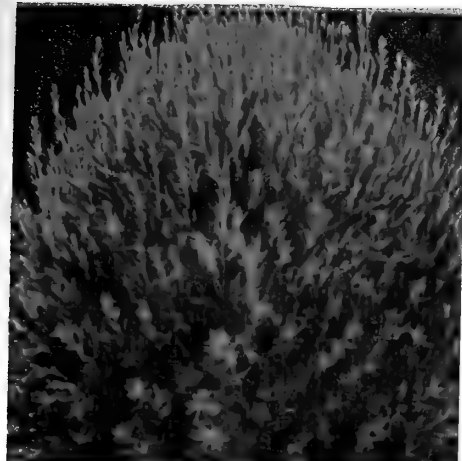
Geranium. See Novelty pages.

Gloxinia. See page 57 House Plants from seed.

Grevillea. See page 57 House Plants from seed.



3040 LOBELIA Bedding Queen. Pkt., 15c.



2965 **KOCHIA** Childsii (Burning Bush). Pkt., 10c.



2991 **LAVATERA** Splendens Mixed. Pkt., 10c.



2989 **LAVATERA** Loveliness. Pkt., 15c.

Leptosyne ☐

Flowers in 5 Weeks

Culture: A or B, C or D, Page 58

3010 Stillmanii. 1½ ft. One of the quickest flowering annuals, blooming within five weeks from date of sowing, and the butter yellow daisy-like flowers continue in perfection for a long period. Excellent for cutting. Pkt., 10c.

3015 Maritima. (Sea Dahlia). 20 in. A cliff plant from California with graceful feathery foliage and large Dahlia-like flowers, yellow with golden center. Fine for cutting. Treat as a half-hardy annual and give a sunny situation. Pkt., 10c

Marvel of Peru or Four O'Clocks ☐

Culture: A or B, D or E, Page 58

Showy summer and fall blooming plants that do well everywhere. Flowers open in the afternoon and all day if it is cloudy. It is little known that roots may be lifted in the fall and stored like Dahlias to be re-planted in spring. It will result in larger plants, stronger, with more flowers. Four O'Clocks makes an interesting low hedge very rapidly.

3290 Mixed Colors. ¼ lb., 90c; 1 oz., 30c; pkt., 10c.

3297 Dwarf Mixed. Pkt., 10c

3300 MIRABILIS Uniflora. See Novelties. Pkt., 25c.

Kochia—Burning Bush ☐ 2½ ft.

Annual Hedge Plant

Culture: A or B, D or E, Page 58

2965 Childsii. It resembles a close-clipped ornamental Evergreen. The pyramidal bushes are close and compact and of a pleasing light green. The plant may be grown singly or in the form of a hedge or background and may be clipped to form a perfect hedge, an excellent substitute for boxwood to edge beds. In early autumn the whole bush becomes carmine or blood-red. Flowers small and numerous, but not conspicuous. Oz., 50c; ½ oz., 25c; pkt., 10c.

Lavatera—Annual Mallows ☐

Culture: A or B, Page 58

Showy plants, covered with large flowers. 2½ ft.

2985 Splendens Alba. Silky, pure white. pkt., 10c

2991 —Mixed. Pkt., 10c.

2989 —Loveliness. Rich rose pink flowers. Very effective as a garden plant. The bronzy foliage and stems making a fine foil to the flowers. Pkt., 15c.

Linarias (Baby Snaps)

12 to 18 in. ☐

Culture: A or B, Page 58

Also known as miniature snapdragons, are very charming free flowering border plants in bright and pastel tones. To get best results thin to 18 inches.

3039 Fairy Bouquet. 8 in. A strain greatly improved by more compact growth, and with large flowers of rose, yellow, pink, lavender, carmine, red, violet, white and salmon. ½ oz., 35c; pkt., 15c.

3034 Maroccana Hybrida Excelsior, Mixed. Colors range through crimson and gold, pink, mauve, dark blue, chamois, rose, and lighter art shades Pkt., 10c

Annual Lupines ☐

Culture: A or B, D or E, Page 58

Free flowering, easily grown annuals, with long, graceful spikes, pea-shaped flowers. The fine, dark, glossy foliage makes an admirable foil for the long spikes of bloom; prefers a little shade.

Use **Nitragin** for inoculating Lupin Seed. Garden Size. Pkt., 10c.

King or Giant Hartwegii. 3 to 4 ft. Base branching plants, each bearing six to eight large flowers

3076 King Dark Blue. **3077 King White.**

3075 —Heliotrope. **3079 —Mixed.**

3078 —SkyBlue.

3100 Subcarneus (Texas Bluebonnet). 15 in. The flowers are of a delightful blue, with blotch of deep rosy flesh.

Each of the above, pkt., 10c; any 3 pkts., 25c.

3105 Tall Annual Sorts, Mixed. ¼ oz., 30c; pkt., 10c.

Linum ☐

Culture: A, B, C or D, Page 58

3020 Grandiflorum Rubrum (Crimson Flax). 2 ft. Brilliantly colored summer annuals, glowing crimson-rose. May be had in bloom from May to October by successive sowings. Pkt., 10c.

Matricaria ☐

Culture: D or E, A or B, Page 58

3205 Capensis Fl. Pl. (Feverfew). 3 ft. Neat, small, double white flowers, well adapted for borders, beds and cutting. They are perennial, but may be treated as annuals. Pkt., 10c.

3206 Capensis Improved. Select flat petaled type snow-white flowers. Pkt., 35c.

3208 Golden Ball. 1 ft. Of compact habit, with very striking double yellow flowers Pkt., 10c.



3290 **MARVEL OF PERU** (Four O'Clocks) Mixed. Pkt., 10c.



3039 **LINARIA** Fairy Bouquet Mixed. Pkt., 15c.

Mesembryanthemum (Ice Plant) ☐

Culture: A, B, D or E, Page 58

2869 Criniflorum (Livingstone Daisy). Plants of slightly spreading, Daisy-like flowers. 2 inches, pure white edged with rose, crimson, pink and buff; and self colors. Will grow in crevices of paving or old walls and thrives in poor soil. Pkt., 25c.



3079 **LUPINUS** (King) Mixed. Pkt., 10c.

All the Best Marigolds □

Culture: A or B, D or E, Page 58

Double Dwarf French Harmony Type

A selection of new strains and varieties in the popular crested center type. 12 in. to 14 in.

3164A Butterball—See Novelty Pages. Pkt., 25c.

3174 Harmony. Dwarf, compact, early, golden yellow bordered, maroon red. $\frac{1}{4}$ oz., 60c; $\frac{1}{8}$ oz., 35c; pkt., 15c.

3160 All Double Golden Harmony. Pkt., 15c.

3168A Melody. Excellent rich orange, compact, dwarf. Pkt., 25c.

3169A Scarlet Glow. 1 ft. In the sun this flower glows and seems redder than any other Marigold. Pkt., 25c.

3169 Spotlight. Rich yellow bordered mahogany red, $1\frac{1}{4}$ inch, very early. All Double. Pkt., 25c.

3170A Spry. See Novelty Pages. Pkt. 25c.

3165 Sunkist Orange. See Novelty Pages. Pkt., 25c.

3175 Vaughan's Special Mixture of Dwarf Double and Single Varieties. These dwarf, compact strains are very attractive, each plant being covered with hundreds of small bright flowers, including listed varieties and many others of charming variations. $\frac{1}{8}$ oz., 50c; pkt., 10c

3150 Vaughan's Special Tall Mixture. This mixture includes all the African sorts, including this year's novelties. A packet will give you flowers of enormous size in a wonderful assortment of color. $\frac{1}{8}$ oz., 50c; pkt. 15c

Marigolds with Odorless Foliage

3159 Honeycomb. Pkt., 25c

3129 California Gold. Pkt., 15c.

3141 Crown of Gold. Pkt., 20c.

3124 Yellow Supreme. Pkt., 10c

3195 Special Mixture of Odorless Foliage Varieties. The above and other varieties in excellent blend. Pkt., 25c.

3142 MARIGOLD Gigantea Sunset Giants. Pkt., 15c.

Gigantea or Dahlia Flowered

3142 Sunset Giants $3\frac{1}{2}$ to 4 ft. Flowers $7\frac{1}{2}$ inches in diameter are sometimes produced by plants of this giant strain, largest of all Marigolds. The average size is less, but still exceptionally large. Color varies, yellow and orange. Plants vigorous, heavy stems, 60% double. Pkt., 15c.

3141A Orange Sunset. Giant deep orange. Pkt., 15c.

3177 Dwarf Pot of Gold—See Novelties. 25c.

Carnation Flowered

3129 California Gold. $2\frac{1}{2}$ ft. Attractive deep orange flowers, with long loose petals artistically arranged, without Marigold odor. Flowers $2\frac{1}{2}$ in. across on good wiry stems. Pkt., 15c.

3152 Orange Supreme. Except for its deep orange coloring, this is a twin for Yellow Supreme, which can pass for a Carnation in table arrangements, and is conceded to be best of its class. Flowers reach 4 to 5 inches, on long stems, plants 3 feet tall. Pkt., 25c.

3124 Yellow Supreme. A large bloom of honey fragrance, with broad, loose, frilled petals of a rich lemon-yellow, largest of true "Carnation flowered" type. Plants are vigorous, with foliage practically free from Marigold odor. Pkt., 10c.

3123 Guinea Gold. 2 to $2\frac{1}{2}$ ft. The original Carnation-flowered type, producing flowers 2 to $2\frac{1}{2}$ inches across, of brilliant orange flushed with gold. Practically 100% double. This is an early flowering sort. $\frac{1}{8}$ oz., 35c; pkt., 10c.

Chrysanthemum Flowered

3153 Goldsmith—See Novelties. Pkt., 25c.

3127 Limelight—See Novelties. Pkt., 15c.

3132 Mission Yellowstone—See Novelties. 25c.

3140 Vaughan's Chrysanthemum Flowered Hybrids. 3 ft. An early flowering strain, bearing flowers of several distinct types, and tones of orange and yellow. Pkt., 15c.



3170 MARIGOLD Harmony Hybrids. Pkt., 25c.

3170 Harmony Hybrids. Wide and varied range striking color combinations, $1\frac{1}{4}$ inch flowers with crested center and flanking guard petals, early, 100% All Double. Pkt., 25c.

Single Tall French

3156 Wildfire. 18 in. This seed bearing hybrid between French and African varieties, bears single flowers which sometimes reach 3 inches in diameter, varying in color and markings on the same plant. Blooms in eight weeks from sowing, flowering until frost comes. Pkt., 10c.

3187 Marigold Flash. All America Silver Medal, 1945. The name is descriptive of the bright combination of colors which range from vivid red through bronze to a few yellow flowers. Individual flowers grow $1\frac{1}{2}$ in. and more across; the plants, 18 in. tall. Pkt., 25c

A Golden Shower

3201 Gnome. A dwarf form of Signata Pumila. The plants are more dwarf, even and compact. The pretty orange colored flowers are produced all summer. Plant or thin to 6 inches apart. Pkt., 15c.

3200 Mexican Marigold (Signata Pumila). 10 in. A miniature type forming compact plants completely covered with golden orange flowers. Pkt., 10c.

3149 Tom Thumb Golden Crown. 10 in. A dwarf form of Guinea Gold. Golden yellow flowers, of Carnation type are produced, often 25 to 30 on a plant. Pkt., 15c.

3174A Dwarf Golden Bedder. Earliest of all, uniform, covered with golden orange flowers of chrysanthemum type. Pkt., 25c.

Dwarf French, Double 10 in.

3167 Gold Ball.

3166 Robert Beist. A warm shade of shining purple scarlet. Each of the above, pkt., 10c

3171 Monarch Strain of Dwarf French, Double Mixed. Symmetrical compact habit, including orange, bronze and mahogany. $\frac{1}{4}$ oz., 35c; $\frac{1}{8}$ oz., 25c; pkt., 10c.

3181 Dwarf Royal Scot, All Double. 10 in. Dwarf bushy growth. Mahogany and gold. Pkt., 15c

Double Tall African 30 in.

3134 Alldouble Orange. Exactly like tall African Orange Queen in size and color and comes about 90% double from seed. Pkt., 15c.

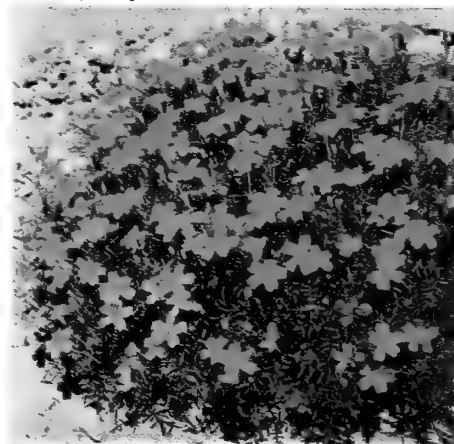
3133 Alldouble Lemon. Yellow, same as preceding only the color is light yellow, about 90% double. Pkt., 15c.

Miscellaneous

3141 Crown of Gold.

The first known Marigold with odorless foliage. Flower centers are of short curled, quilled petals with a collar of flat guard petals on outside. Color is orange, $2\frac{1}{2}$ -inch flowers, fragrant, $2\frac{1}{2}$ feet tall. Pkt., 20c.

3154 Vaughan's Treasure Chest. $2\frac{1}{2}$ to 3 ft. Colors run from deepest orange through golden orange, golden yellow, lemon-yellow, buff-yellow to lightest primrose. Some Chrysanthemum-like but mostly of the Carnation and Peony-flowered forms, many 5 in. across. Pkt., 15c.



3201 MARIGOLD Gnome Pkt., 15c.



3187 MARIGOLD Flash. Pkt., 25c.

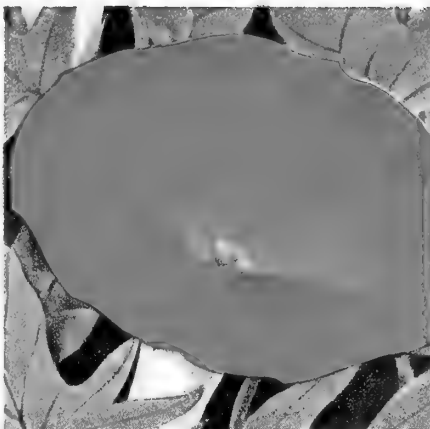
Morning Glories

Culture: A or B, D or E, Page 58

If sown outdoors, do not sow until the ground is warm and summer established. Give plants full sun and do not overfeed, as this may limit flowers. Over 10 feet.

2942 Heavenly Blue Improved. The color is a deep sky blue, shading lighter toward the center; the flowers are large and freely produced and the plants flower early and continue throughout the summer. Flowers remain open to six o'clock in the evening on cloudy days. Oz., \$1.00; ¼ oz., 30c; pkt., 15c.

2941 Clark's Early Flowering. A strain of Heavenly Blue selected for earliness. Flowers measure 3½ to 4 inches across. To sow indoors, nick through hard outer shell of seed with knife or file. Then sow in flower pot in good friable soil, and place where bottom heat of at least 70 degrees is provided. Keep indoors until weather is warm. ¼ oz., 30c; pkt., 15c.



2948 **MORNING GLORY** Scarlett O'Hara. Pkt., 20c.



2942 **MORNING GLORY**. Heavenly Blue Improved. Pkt., 15c.

2901 Giant Cornell

The flowers, as large as Heavenly Blue, are an intense carnelian red with pure white border, reproducing the colors of Cornell University, presenting a very gay appearance. Growth is rapid and flowers come early, when vine is two feet tall, increasing in number until killing frosts arrive. ¼ oz., 50c; pkt. 20c

2938 Columbia. The vines grow about 10 ft. and produce many 3 in. trumpets of blue, edged bluish white with a reddish star Pkt., 25c.

2943 Improved Pearly Gates. This is a white sport of the lovely Heavenly Blue morning glory, and is similar in size, vigor of growth and abundant bloom, to that unsurpassed climber. Pkt., 25c.

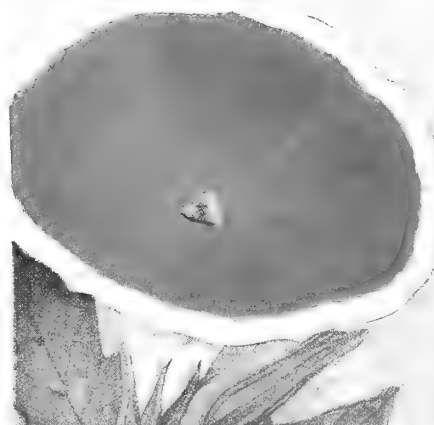
2948 Scarlett O'Hara. Stunning 3½-in. flowers of a soft velvety scarlet, borne in profusion from July until frost. The flowers stay open longer in the day than other sorts. ¼ oz., 60c; pkt., 20c.

1908 Crimson Rambler. A bright ruby red, member of the Convolvulus family which clambers over an arbor in record time. Pkt., 10c.

2945 Double Rose Marie. A double Morning Glory. Produces freely its lovely double rose colored flowers all season. Pkt., 15c.



2943 **MORNING GLORY**. Improved Pearly Gates. Pkt., 25c.



2901 **MORNING GLORY**. Giant Cornell. Pkt., 20c.

Day Flowering Ipomoeas

2925 IMPERIAL MORNING GLORIES
Vaughan's Special Mixture. The colors run from snow-white through all tones of blue, red, and purple. Sun-loving plants do best when protected from north and west wind. ¼ oz., 30c; pkt. 10c

2950 Setosa (Brazilian Morning Glory). Leaves are 9 inches across; flowers 2 inches, tinted pink with a star of satiny pink. Curious seed pods. Pkt., 10c.

2937 Alamo or Mile-A-Minute Vine. Fast growing delicate foliage vine, excellent cover for fences or trellises, flowers 1½ in., creamy white, center deep wine red, open late morning and afternoon. Pkt., 10c.

Red, White and Blue

2940 Red, White and Blue Collection. One packet each of Scarlett O'Hara, Heavenly Blue and Pearly Gates Morning Glory (value 60c), for 40c.

2935 Red, White and Blue Mixture. A balanced mixture of the above. Pkt., 25c.

Night Flowering

IPOMOEIA (Moonflower) □ = 20 ft.

2895 Bona Nox (Evening Glory). Violet. Pkt., 10c.

2905 Mexicana Grandiflora Alba (White Moonflower). Covered with large white flowers every evening and cloudy day. Pkt., 10c.

2910 Giant Pink. Soft lilac-pink flowers. Pkt., 10c.

CONVOLVULUS (Morning Glory)

Culture: A or B, D or E, Page 58

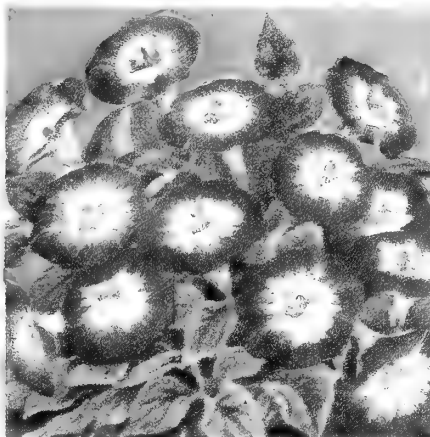
1900 Tall Mixed, all colors. 1 oz., 25c; pkt., 10c.

DWARF MORNING GLORY 1 ft.

Showy hardy annuals for beds and borders, also rock-work; they bloom for a long period and delight in sun.

1922 Dwarf Royal Ensign. A deep bright ultramarine; the deepest and brightest of all blue annuals, with a white halo and gold throat. The plants are covered with their attractive blossoms all summer. Use for edging and borders. Pkt., 20c.

1920 Dwarf Mixed, all colors. Pkt., 10c.



1922 **DWARF MORNING GLORY**. Royal Ensign. Pkt., 20c.

Sow For Fragrance Mignonette (Reseda) □

Culture: A or B, Page 58

A well-known, old-fashioned flower of no great beauty, but highly prized for its fragrance, either in the garden or in mixed bouquets. The plants resent moving and seed should be sown where they are to bloom, thinning them to a foot or more apart.

3235 Goliath Red. 2 ft. Giant red flowering variety. Very fragrant. Pkt., 10c.

3245 Machet Select. 15 in. It is the best Mignonette for all purposes. It is an ever-bloomer, the flowers lasting until late in the fall. ½ oz., 25c; pkt., 10c.

3260 Mixed. Also many shades and types. ½ oz., 25c; pkt., 10c.

GIFT CERTIFICATES

Vaughan's Gift Certificates are available in any amount and redeemable at any time for our Merchandise.

EVENING SCENTED STOCK or PERFUME PLANT

Culture: A or B, Page 58

3212 Matthiola Bicornis. □ 15 in. Lilac flowers which in the morning, evening and after a shower emit a delicious perfume perceptible at a distance. Pkt., 10c.

Mimosa (Sensitive Plant) □ 1 ft.

Culture: D or E, A or B, Page 58

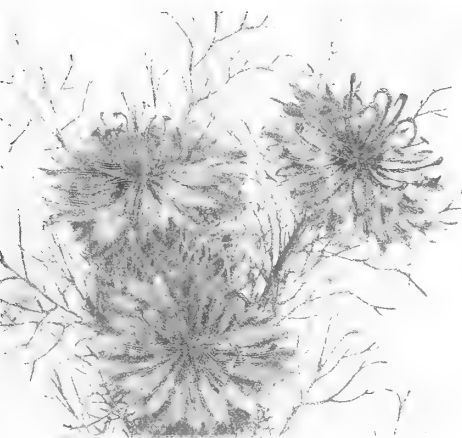
3270 A pretty and curious foliage plant with leaves like those of the Acacia. They are very sensitive and close up immediately if touched or shaken. Flowers like pink fluffy balls. Pkt., 10c.



3245 **MIGNONETTE** Machet. Pkt., 10c.



3356 MYOSOTIS Blue Bird Pkt., 25c.



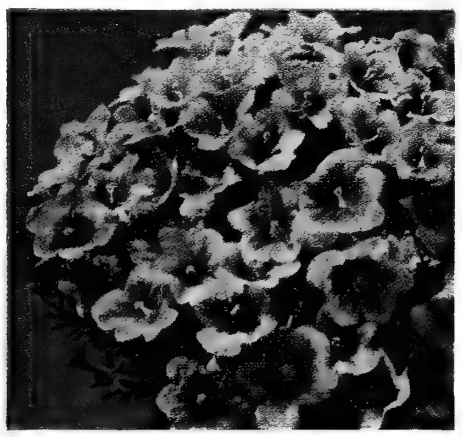
3420 NIGELLA Miss Jekyll. Pkt., 10c.

Nigella (Love-in-the-Mist) □

Culture: A or B, D or E, Page 58

3420 Miss Jekyll Dark Blue. A lovely variety, bearing on long stems, large semi-double flowers of a charming intense dark blue nestling in fine feathery foliage. Pkt., 10c.

3415 Mixed Blue and White. 8 in. Pkt., 10c.



3412 NIEREMBERGIA Purple Robe. Pkt., 25c.

Mimulus □

Culture, D or E, Page 58

3275 Moschatus (Musk Plant). 10 in. Trailing plant for damp, shady places. Small yellow flowers. Unfortunately these plants have lost their odor. Fine for the rock garden. Pkt., 25c.

3280 Tigrinus (Monkey Flower) Queen's Prize, Single Mixed. 1 ft. Dwarf bushy plants, with large Gloxinia-like flowers. Pkt., 10c.

Myosotis — Forget-Me-Nots □ 1 ft.

Culture: A, B or C, Page 58

Will bloom the first year from seed, so treat as annuals. If wintered over, Alpestris varieties will bloom in early spring; they delight in well-drained soil in a sunny location. Other varieties listed will bloom from May until frost and prefer cool, moist loam and half-shade. For beds, borders, rock gardens, pots and cutting.

3321 Alpestris Blue Eyes. Bright blue with white eye, large, early. Pkt., 15c.

3328 Alpestris Indigo (Sutton's Royal Blue). Pkt., 10c.

3329 Alpestris Dwarf Indigo. Deep blue. Pkt., 20c.

3356 Vaughan's Early and Late Flowering Blue Bird. 1 ft. A beautiful deep blue variety. A perennial which blooms from seed if sown early the first year. Pkt., 25c.

3350 Stricta. Blue Bouquet. A compact, upright grower of the pillar or column type, completely smothered with flowers of bright blue. 1 ft. Pkt. 25c.

Dwarf Forget-Me-Nots

Victoria 8 in. Dwarf globular plants, completely covered with bloom, best variety for borders and pots.

VICTORIA

3342 Rosea. Pkt., 25c.

3340 Sky Blue. Pkt., 25c.

3343 White. Pkt., 25c.



3393 NICOTIANA Affinis Crimson Bedder. Pkt., 15c.



3404 NICOTIANA Orange Blossom Pkt., 25c.

Nicotiana □ 2 ft.

Sweet-Scented Tobacco Plant

Culture: A or B, D or E, Page 58

Their long tubular flowers close in midday, but open as evening approaches and give forth a rich perfume.

3390 Affinis. One of the most delightfully fragrant flowers, giving a continuous display of waxy white flowers right through the summer and autumn. The plants are of branching, bushy habit, carrying their flowers in clusters. Pkt., 10c.

3392 Affinis Hybrids. Splendid hybrids in blue, red and rose shades. $\frac{1}{8}$ oz., 25c; pkt., 10c.

3393 Affinis Crimson Bedder. The flowers are of a rich deep crimson. 15 in. Pkt., 15c.

3391—Dwarf Crimson Flame. Petunia-like flowers form five pointed red stars, very fragrant. Pkt., 25c.

3404 Orange Blossom (Miniature White). 18 in. An elegant small flowered pure white species; delightfully scented; even, upright growth. Daintier than the Affinis or Sanderæ Hybrids. Pkt., 25c.

3396 Sanderæ Crimson King. Dark velvety crimson-red flowers. Pkt., 10c.

3397 Sanderæ Hybrids. Pkt., 10c.

Nierembergia □

Sheets of Lavender Bloom

Culture: D or E, Page 58

3411 Hippomanica Coerulea. Grows not more than 4 to 6 inches high, forms a cushion of elegant light green foliage from which emerge cup-shaped flowers of a delicate lavender hue, 1 to $1\frac{1}{4}$ inches across. Blooms the entire summer. Pkt., 25c.

3412 Coerulea Purple Robe. This is like the pale lavender Hippomanica, in its compact growth, completely covered with bloom, but its flowers are of deep violet, unfading in the hot sun, where Hippomanica would bleach to almost white. Blooms in 15 weeks from sowing, prefers sandy soil and sun, splendid for bedding and edging. Pkt., 25c.

Nemesia □

Culture: D or E, Page 58

The orchid-like flowers range from rose to yellow-orange and blue. It should have an early start in greenhouse or hotbed so it can flower before mid-summer.

3365 Dwarf Blue Gem. 7 inches. One of the best blue annuals for bedding. Pkt., 15c.

3360 Large Flowered Mixed. 1 ft. Is the finest strain for size and richness and variety of colors. Pkt., 15c.

3359 Triumph Hybrids. A splendid race of these popular annuals. The plants grow 6 to 8 inches high, in bushy form, and bear continuously, myriads of brilliantly colored flowers; cream, orange, yellow, crimson, rose, scarlet, etc., tipped with other colors. Pkt., 15c.

LaFayette, Indiana February 12, 1946.

My asters were gorgeous last year, the envy of all my neighborhood. Mrs. H. J. K.

Nemophila (Baby Eyes) □ 6 in.

Culture, A or B, D or E, Page 58

Hardest of annuals, and of the easiest culture.

3376 Insignis, Blue. Lovely cup-shaped, sky blue flowers with white center. Pkt., 10c.



3359 NEMESIA Triumph Hybrids. Pkts., 15c.

Fragrant Nasturtiums □

Culture: A or B, D or E, Page 58

NASTURTIUMS will really grow on soils incapable of supporting any other plants, and are most useful on dry, sandy, or gravelly banks. Leaves of Nasturtiums may be used for sandwich fillings and salads and the green seed pods may be used in pickles.

Aphis on Nasturtiums. One of our friends writes in "Horticulture": "I am not troubled with aphis if I sprinkle moth balls on the ground quite close to the stems of the plants." Red Arrow is also recommended.

Tall, Double Fragrant Varieties

- 3735 Golden Gleam.** The large double, golden yellow flowers on long stems are borne profusely well above the bright green foliage. Oz., 35c; pkt., 10c.
3732 Indian Chief. Dark foliage and vivid scarlet flowers. Oz., 35c; pkt., 10c.
3734 Mahogany. Large double flowers of dark mahogany-red. Oz., 35c; pkt., 10c.
3737 Orange Gleam. Clear deep orange colored flowers. Oz., 35c; pkt., 10c.
3740 Primrose. Lemon. Oz., 35c; pkt., 10c.
3738 Salmon Cerise. Pkt., 10c.
3736 Scarlet Gleam. The flowers are a fiery orange-scarlet. Oz., 35c; pkt., 10c.

3745 Vaughan's Special Mixture of Tall Nasturtiums. In this will be found all the choicest colors of all the Tall Nasturtiums, both single and double, and will furnish a brilliant display of flowers. $\frac{1}{4}$ lb., 55c; 1 oz., 25c; pkt., 15c.

Dwarf, Double Fragrant Varieties

- 3561 Globe of Fire.** Flowers of flaming red, contrasting vividly with the dark green leaves, borne in great abundance upon a compact plant. Oz., 35c; pkt., 10c.
3558 Golden Globe. Identical in color with Golden Gleam, but making bushy plants which the freely produced blossoms convert into mounds of gold. Oz., 35c; pkt., 10c.
3542 Mahogany Gem. The velvety, brilliant flowers are rich, deep mahogany. Red wallflower color. Oz., 35c; pkt., 10c.
3560 Dwarf Double Gem Mixed. Ideal for edging beds and window boxes. Evenly balanced range of bright colors. $\frac{1}{4}$ lb., 90c; oz., 30c; pkt., 15c.

3570 Vaughan's Special Mixture of Dwarf Nasturtiums. This mixture is put up by ourselves from named sorts of the single and double varieties which have the richest and most varied combination of colors. $\frac{1}{4}$ lb., 55c; 1 oz., 25c; pkt., 15c.

3575 Single Dwarf Nasturtiums Mixed. Single flowering varieties are preferred by many because they flower more freely in some locations. This mixture includes a well balanced range of red, orange and yellow, even more varied than is found among the double type. Pkt., 10c.

Nicandra

Culture: A or B, Page 58

3389 Physaloides. Apple of Peru or Shoofty Plant. A strong spreading annual, 3-4 ft. high, grown for the showy blue flowers and odd fruits. It is an old-fashioned garden annual now rarely seen. Pkt., 10c.

Nolana □

Culture: A (May-June), Page 58

3387 Blue Ensign. Native Chilean Bellflower. In pots it will grow 12 inches high, outdoors it spreads a little and throws up large ultramarine-blue flowers on stems 5 or 6 inches high. In shape these resemble an Ipomoea, enhanced by the large pure white center. Sow outdoors in May where the plants are to bloom. Fragrant. Pkt., 25c.



Oenothera □ 1½ to 2 ft.

Culture: A, Page 58

The evening primrose is noted for its heavy scent, given off during the evening hours. Its yellow flowers attractive during the daytime, seem to reflect the moon at night.

3439 Lamarckiana (Evening Primrose). Yellow. Pkt., 10c.

Passiflora

Culture: A or B, D or E, Page 58

3910 Coerulea Grandiflora (Passion Flower). Slender but strong grower. Flowers 2½ to 3½ inches across, slightly fragrant, greenish white; the corolla is blue at the tip, white in the middle and purple at the base. Pkt., 10c.

ANNUALS AND PERENNIALS For Semi-Shaded Locations

Anchusa	Cynoglossum	Nasturtium
Antirrhinum	Delphinium	Nicotiana
Aquilegia	Digitalis	Nemophila
Asperula	Geum	Pansy
Balloon Vine	Godetia	Platycodon
Begonia	Linaria	Poppies
Bellis Perennis	Linum	Schizanthus
Campanula	Lobelia	Stocks
Centaurea	Lupin	Sweet William
Clarkia	Mimulus	Torenia
Coleus	Myosotis	Violas

4746 Annuals for Shade or Semi-Shade Mixed. Pkt., 25c.

4747 Perennials for Shade or Semi-Shade Mixed. Pkt., 25c

ANNUALS FOR FRAGRANCE

Alyssum	Mignonette	Petuniun
Candytuft	Scabiosa	Carnation
Stocks	Heliotrope	Nicotiana
Matthiola	Wallflower	

2115 Fragrant Annuals Mixed. A mixture of the above varieties. Pkt., 25c.



3739 Vaughan's Double Tall Glorious Gleam Hybrids. Colors never seen before in a double Nasturtium abound in profusion—salmon, golden yellow, orange scarlet, cerise, cream yellow, orange, crimson, and gold flushed scarlet combine with the foliage of fresh green. $\frac{1}{4}$ lb., 1.00; oz., 30c; pkt., 15c.



3926 PENTSTEMON Sensation Mixed. 25c.

Pentstemon

Culture: D or E, Page 58

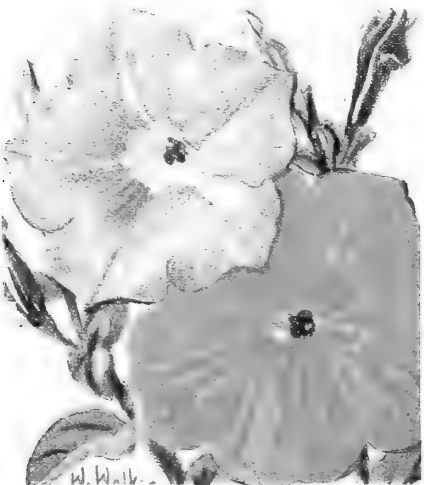
3926 Sensation Mixture. If sown in heat in February or March, they will flower freely the first year, producing large spikes of handsome Gloxinia-like flowers. Often 2 in. across and in the most brilliant and varied colors, many of which are beautifully edged with a fine contrasting color. 2 ft. Pkt., 25c.

See Perennial Pages for other varieties.

Vaughan's Seed Store 35



3983 PETUNIA Bright Eyes. Pkt., 25c.



4001 PETUNIA Heavenly Blue Re-Selected. Pkt., 25c.

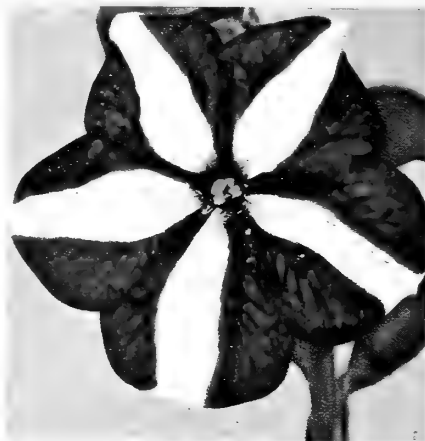
4017 PETUNIA Celestial Rose. Pkt., 25c.



4025 Vaughan's Special Mixture of Dwarf Small Flowering Varieties includes all the varieties listed and many others, and will be a revelation to those who plant a packet, in furnishing an unending supply of flowers in a most bewildering combination of colors. $\frac{1}{4}$ oz., \$1.25; $\frac{1}{8}$ oz., 75c; pkt., 25c.

Small Flowering Single Petunias □

Culture: A or B, D or E, Page 58



3975 Petunia Howard's Star, Improved. 10c.

Culture: D or E, Page 58

In dry season or wet, the Petunia is the most adaptable, long flowering and colorful of the garden annuals. There is an almost complete color range from the pure white to delicate yellow, through many shades to red and rich purple, veined or blotched with plain or frilled edges. There are small, large single, and double flowered. Petunias make good cut flower material. We supply a leaflet on culture if asked for with order.

Single Dwarf Small Flowering Petunias 12 to 15 in.

3996 Admiral. In uniform growth, and unvarying clear dark blue coloring of its abundant blossoms, this excels all other small-flowered blue Petunias. Pkt., 50c.

3983 Bright Eyes, which was awarded a Bronze Medal in 1946, presents a lively picture, growing but 9 inches tall in a compact mound completely covered with small $1\frac{1}{2}$ inch flowers of soft pink, with white throat. It is a smaller, more compact Rosy Morn, more profuse in flowering. Pkt., 25c.

4017 Celestial Rose. Improvement on Rose of Heaven. More compact in growth and deeper in color. A beautiful rich satiny rose. Pkt., 25c.

3960 Cheerful. The clear salmon pink flowers have a deeper rose veining toward the throat. The growth is low spreading close to the ground, later the plants form a mound 10-12 in. high with a spread of 2 ft. Growth is densely compact and the plants are studded from early summer until frost with flowers $2\frac{1}{2}$ in. across. Pkt., 25c.

4003 Cream Star. Covered all summer with small flowers of soft creamy white, with deeper cream throat. Gives effect of white in the garden. Plant in shade. Pkt., 25c.

3982 English Violet. This rosy mauve-violet or purple-violet, brings a distinct new color to its class. Very free-flowering plant of 12 to 15 inches is true and uniform. Pkt., 25c.

4001 Heavenly Blue Re-Selected. A silvery light blue. Varies about 10% in shade. Pkt., 25c.

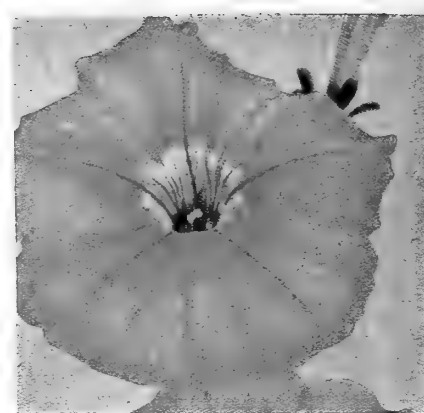
4005 Improved Rosy Morn. An improved strain of the clear pink bedding variety. Of deeper coloring, more compact growth, and freer flowering with the same white throat. $\frac{1}{8}$ oz., 50c; pkt., 15c.

4079 Martha Washington. 9 in. Blush pink deepening to dark violet throat, ruffled flowers. Pkt., 25c.

3984 Peach Red. All America Honorable Mention in 1946. Plants are dwarf and compact in habit 12 to 15 in. high and bear profusely their rounded flowers which average $2\frac{1}{4}$ in. across. Color is a deep salmon with a light reddish suffusion, the softness of the intense salmon being most pleasing. Pkt., 25c.

4018 Rose of Heaven Select. Rich brilliant rose, with inconspicuous white throat, darker than Rosy Morn. $\frac{1}{8}$ oz., 75c; pkt., 25c.

4020 Snowball. Pure satiny white. pkt., 10c.



4008 PETUNIA Topaz Queen. Pkt., 25c.

4008 Topaz Queen. Its scarlet-rose coloring is deeper and richer than Celestial Rose, and does not fade in the sun. Its habit is uniformly compact, flowers larger and borne freely throughout the summer. It is especially recommended for locations where the hot sunshine tends to pale the color of other varieties. Pkt., 25c.

4021 Twinkles. Masses of small brilliant rose flowers with well-defined pure white star. Pkt., 20c.

3990 Violet Queen (Improved Blue Bird). Rich violet, compact and dwarf, best strain. Pkt., 25c.

4009 Snow Queen. Large pure white flowers on dwarf erect growing plants. Pkt., 25c.



4018 PETUNIA Rose of Heaven, Select. Pkt., 25c.

Single Small Flowering Petunias 18 to 24 in.

3959 Blue Bee. The color of Viola Jersey Gem. Pkt., 15c.

4006 Flaming Velvet. A rich velvety crimson, best of its color in this class. Pkt., 35c.

3975 Howard's Star Improved. Red purple with white star. Pkt., 10c.

4015 Inimitable Blotched and Striped. Magenta red and white spotted and starred. Pkt., 15c.

3986 Topaz Rose. Fiery velvety rose, very brilliant color will not fade. Pkt., 25c.

3989 Radiance. A cerise rose with enough underlying salmon to remove harshness. The throat is golden yellow. Pkt., 25c.

3980 White King. Showy clear snow white flowers. Pkt., 25c.

3995 Finest Mixed. $\frac{1}{8}$ oz., 50c; pkt., 10c.

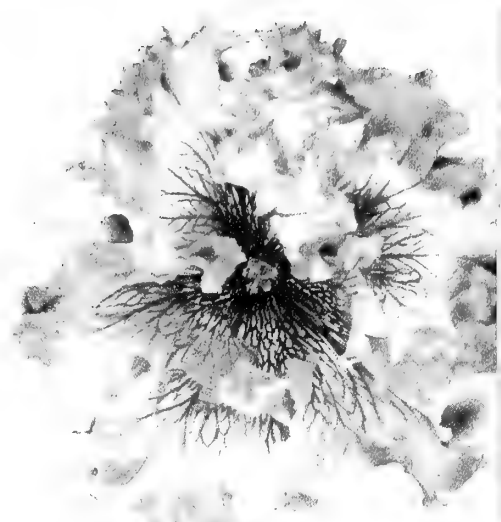
SOWING FINE FLOWER SEEDS

One garden enthusiast mixes her fine seeds, such as Petunia, Poppy, etc., with ten times their bulk of dry sand, puts them into a salt shaker and sifts them over the beds or borders firming them with a board. A very practical idea. Try it!

Phacelia □ 8 in.

Culture: A, B, D or E, Page 58

4101 Campanularia. Sow where they are to grow. Dwarf plants bearing terminal racemes of gentian-blue flowers with white anthers. Pkt., 10c.



4055 Snow Storm. Large Flowered White. Pkt., 35c.

Large Single Flowering (Plain Edged) 12 to 16 in.

The flowers of this type average 3 to 4 inches across.

4057 **Burgundy.** Rich wine red with a contrasting white throat. Pkt., 25c.

4058 **Elk's Pride. Re-Selected.** Velvety black-purple, best of all dark blues. Pkt., 25c

4055 **Snow Storm.** Glistening white, shadowing yellow in the throat. An improvement on White Cloud. 4 to 5 in. flowers. Pkt., 35c.

4067 **White Cloud.** Fine compact bushes only 12 inches high, richly covered with pure white blooms 3 to 3½ inches in diameter. Pkt., 35c.

4069 **Ruffled Monsters.** Semi-dwarf type of erect and robust habit. The flowers are very large and ruffled, with open shallow throats. The colors are mostly the desirable red and dark purple, richly marked and veined. Pkt., 50c.

4065 **Giants of California Mixed.** A well balanced mixture containing a remarkably fine variety of colors, in blends of crimson, white, violet, lavender and pink. Large flowers freely produced. Pkt. 25c

4066 **Dwarf California Giants Mixed.** The habit of the plant is very dwarf, flowers very large and of the finest substance. All with open veined throats of the Superbissima type. Pkt. (250 seeds), 50c; 500 seeds, 90c.

ILLUSTRATED ABOVE

4076 **Fluffy Ruffles Mixed.** The flowers are so ruffled and frilled they have the appearance of being double. The flowers are very large with large throat. It is a well balanced mixture of pink, white, salmon, deep rose crimson, and light blue. about 75% will be ruffled. Pkt. 35c

Large Flowering Petunias □

Large Single Fringed Flowering

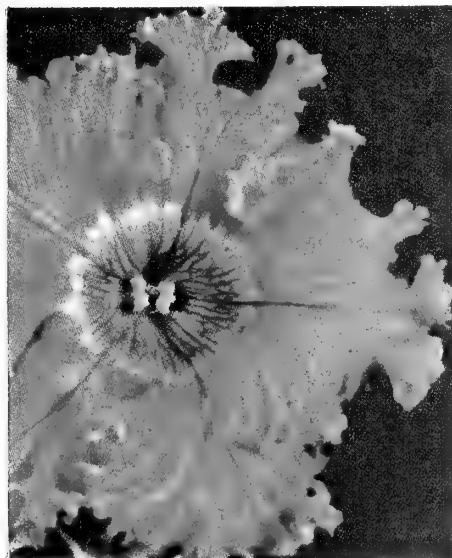
4049 **Dainty Lady.** A large flowering single fringed variety of delicate golden yellow, the first really yellow Petunia. The plants are semi-dwarf and free-flowering. Plant in shade. Pkt., 35c.

4085 **Giant Flowering Flaming Velvet.** Vivid velvety dark red, comes 100% true. Pkt., 25c.

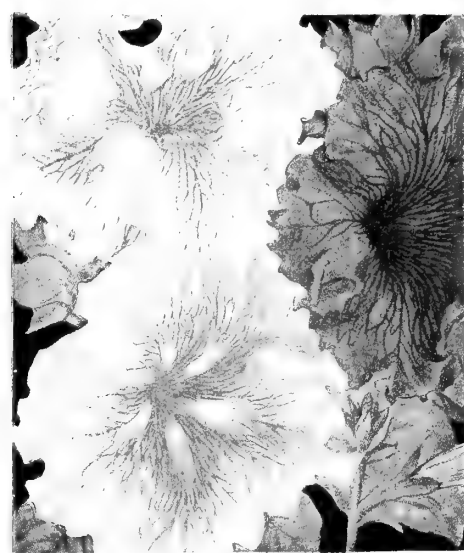
4050 **Lace Veil.** 12 in. Large pure white flowers with fringed petals, many waved. Pkt., 35c.

4047 **Purple Beauty.** 16 in. A large flower beautifully frilled, the best blue fringed Petunia. 35c.

4082 **Scarlet Beauty.** Very bushy, covered with rich scarlet flowers. The result of breeding from the popular Queen of the Market, from which it secured its brilliant color. Pkt., 35c.



4062 PETUNIA Theodosia. Pkt., 35c.



4100 **Vaughan's Best Mixture Large Flowering Single.** Includes Giant. Ruffled, all colors of large flowering and fringed sorts, and the unsurpassed Superbissima varieties, with their delicately veined throats and mammoth flowers. Pkt. (300 seeds) 35c

4078 **Setting Sun.** Forms compact bushes 12 inches high, covered with fringed blossoms of rose pink, measuring 3 inches across. Pkt., 35c.

4062 **Theodosia.** 20 in. Fringed rosy pink with a golden center. Fine for porch boxes. Pkt., 35c.

4059 **White Beauty.** Fringed pure white. 25c.

Balcony Type Petunias 18 to 24 in.

Single large flowering sorts, trailing habit.

4037 **Balcony Black Prince.** Dark rich crimson.

4036 **Balcony Cornflower Blue.** Rich blue.

4034 **Balcony Red.**

4040 **Balcony Rosy Morn.** Rose white throat,

4041 **Balcony Rose.** 4035 **Balcony White.**

4039 **Star of California.** Violet crimson, white star.

Each of the above, pkt., 25c; any 3 for 65c.

4042 **Balcony Mixed.** ⅓ oz., 60c; pkt., 25c.

Giant Single Flowering 18 in.

The flowers of this strain average 5 to 7 inches across.

4071 **Copper Red.** Enormous flowers with a dark throat, deeply veined. Pkt., 35c.

4090 **Prince of Wuertemberg.** Rich dark red with a dark throat. Darkest of all Petunias. Pkt., 35c.

4091 **Princess of Wuertemberg.** A ruffled giant rose flower with a garnet throat. Pkt., 35c.

4077 **Salmon Beauty.** True salmon pink, one of the outstanding varieties in our trials. Pkt. 35c.



3894 PANSIES Vaughan's Super Swiss Giant Mixed. Pkt., 35c.

3894 Vaughan's Super Swiss Giant Mixture. The flowers are gigantic size, perfectly round, fine substance of flower and good form of plant, and exhibit shades previously unknown in this family. They bloom early in the spring, continuing in flower all summer until late in fall. $\frac{1}{8}$ oz., \$1.25; $\frac{1}{4}$ oz., \$2.40; pkt. 35c

SPECIAL MIXTURES

3794 Vaughan's Super Maple Leaf Giant Mixture (Canadian Giants). The leaves are of giant size and flowers up to 4 inches across, of wonderful substance and fine form. Many charming colors. $\frac{1}{8}$ oz., \$1.50; $\frac{1}{4}$ oz., \$2.50. Pkt. 50c

3875 Vaughan's Giant Mixture. This mixture contains all the self-colors, such as white, yellow, blue, purple, red, bronze, etc. All the flowers are of the Giant type and of good shape and texture. $\frac{1}{8}$ oz., \$1.50; Pkt. 25c

Giant Pansies

Culture: A, B or C, Page 58

Pansies have long been a specialty with us. We introduced the Swiss Giants to American gardens and named and introduced the lovely Canadian variety Maple Leaf. Leaflet on culture will be supplied if asked for when ordering seed.

GIANT SWISS VARIETIES

3892 Alpenglöw. Rich wine-red shades. Pkt., 25c.

3896 Berna. Dark violet blue. Pkt., 25c.

3891 Blue (Ullswater) (Thuner See). Deep blue flower with blue-black blotches. Pkt., 25c.

3820 Coronation Gold. The largest pure gold self. Pkt., 50c.

3897 Delft Blue. A delightful tone of translucent blue. Pkt., 25c.

3862 Fire Beacon. Bright wallflower red with a touch of orange. Pkt., 50c.

3895 Luna. Light straw yellow. Pkt., 50c.

3900 Pure White. Pkt., 50c.

3893 Yellow (Rheingold). Rich yellow with blotches on the three lower petals. Pkt., 25c.

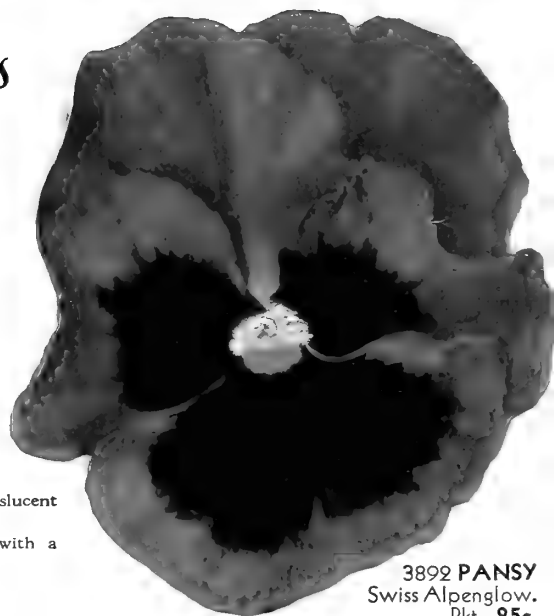
3902 Swiss Pansy Collection. 1 Pkt. each of above 9 varieties, regular value \$3.25 for \$2.75.

3898 Swiss Orange. See Novelties.

3786 Masterpiece Well Known Strain, (Fried Pansy). A remarkable type, each petal being conspicuously curled or waved. Color range extensive, rich, dark, velvety shades predominating. Pkt., 25c.

3840 Trimardeau Mixture. It has a complete color range, but lacks the newer varieties. $\frac{1}{8}$ Oz., \$1.25; Pkt., 15c.

3881 Engelmänn's Giant. A special strain selected and developed by an English grower. The plants are dwarf and compact and the huge flowers, in many dark and light tones, appear early. Pkt., 50c. For Viola Cornuta see Page 43.



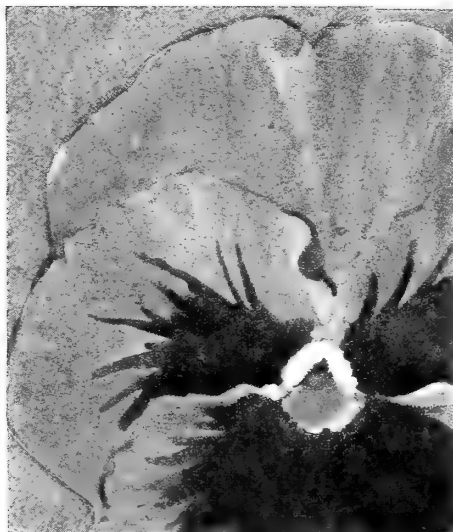
3892 PANSY
Swiss Alpenglöw.
Pkt., 25c.

3841 Vaughan's Long Stemmed Winter Flowering mixed. See page 57. House Plants from Seed.

Baby Pansies Bloom in 70 days from Seed

3761 Baby Delight. An ideal Pansy for spring blooming. Makes dwarf but compact bushy growth with a height of not more than 8 in. The flower is lovely light blue, with a pleasing "face" about 1 inch in diameter. Pkt., 20c.

3762 Mrs. A. H. Scott. Another of the "baby group", top petals white, lower ones violet purple. A brilliant combination. Pkt., 20c.



3891 PANSY Swiss Blue (Ullswater). Pkt., 25c.

Phlox, the Gayest Annual

Culture: A or B, D or E, Page 58

For a brilliant display, plant Vaughan's Special Mixture. Seed may be sown in the open as soon as frost danger has passed. Sow where the plants are to flower as they do not like to be transplanted. 12 inch.

Drummond Grandiflora Varieties ☐

This section has beautiful, round-petaled flowers, which overlap each other.

- 4113 **Brilliant.** Rose with dark eye.
- 4120 **Chamois Rose.**
- 4110 **Flaming Velvet.** Rich deep reddish purple.
- 4109 **Crimson Starred White.**
- 4125 **Fiery Scarlet.**
- 4115 **Flesh Color.**
- 4140 **Isabellina.** Buff yellow.
- 4149 **Pure White.**
- 4155 **Rose.**
- 4146 **Rose Starred White.**
- 4150 **Scarlet with White Eye.**
- 4159 **Violet Blue.**
- 4161 **White with Dark Eye.**

Each of the above, pkt., 15c; any 3 pkts., 40c.

- 4165 **Splendid Mixture.**
½ oz., 55c; pkt., 15c.

- 4175 **Cuspidata or Star Mixed.**
Quaint and unusual flower formation. ½ oz., 65c; pkt., 25c.

Phlox Nana Compacta Dwarf

These make symmetrical bushes, covered with flowers all summer and fall. 8 in.

- 4180 **Apricot.** Yellow.
- 4181 **Chamois.**
- 4183 **Fireball.** Blood-red.
- 4192 **Isabellina.** Buff yellow.
- 4195 **Sky-Blue, White Eye.**
- 4198 **Snowball.** White.
- 4203 **Violet.**
- 4204 **Violet, White Eye.**

Each of the above, pkt., 25c; any 2 pkts. for 40c.

- 4205 **Nana Compacta Mixed.** All colors. ½ oz., 75c; pkt., 25c.

- 4174 **Beauty Mixed.** All colors. Flowers immense, coloring bright and nearly all blossoms display a white eye. Pkt., 15c.

- Primula Chinese and Obconica.** See page 57.

House Plants from seed.

See also Novelties.

Portulaca ☐

Culture: A, D, Page 58

Moss Rose For Hot, Dry Places

Portulaca makes a brilliant carpet for a sunny spot where a ground cover is needed. Flowers like little Roses. In sowing, mix the seed with many times its bulk in dry sand. Sow in May, when the ground is thoroughly warmed. Easily transplanted. Fine for ground covers after bulbs have died down



- 4455 **PORTULACA.** Double Best Mixed. 15c.



- 4220 **PHLOX** Vaughan's Special Mixture. Pkt., 25c.

4220 PHLOX DRUMMONDI VAUGHAN'S SPECIAL ANNUAL MIXTURE. Contains all the Grandiflora varieties listed here and several other strains only to be had in this mixture, and will delight and astonish all with its extensive variety of colors. Over 30 different shades will be produced from a single package. ¼ oz., \$1.50; ½ oz., 80c; pkt. 25c



- 4430 **PORTULACA** Single Mixed. Pkt., 10c.

PORTULACA—Continued

Large Flowering Single

- 4426 **Jewell.** See novelty pages for illustration and description. Pkt., 25c.

- 4430 **Single Mixed.** Oz., \$3.00; ¼ oz., 90c; ½ oz., 50c; pkt., 10c.

Large Flowering Double

A certain amount will produce single flowers.

- 4438 **Golden Yellow.** 4443 **Scarlet.**
- 4440 **Pink.** 4444 **Sulphur Yellow.**
- 4441 **Salmon.**

Each of the above, pkt. 15c; 2 pkts. for 25c.

- 4455 **Double Best Mixture.** Extra selected true double. 1 oz., \$4.00; ¼ oz., \$1.25; ½ oz., 75c; pkt., 15c.

- 3930 **PERILLA Crispa.** 35 in. Big jaggedly fringed leaves in burnished purple-bronze, metallic in luster. Little blue flowers. A strikingly decorative foliage Annual of easiest culture. Pkt., 15c.



- 4370 **POPPY** Shirley Vaughan's Special Mixture. Pkt., 15c.



- 4277 **POPPY** American Legion. Pkt., 10c.

Shirley Poppies 2ft.

(SILK OR GHOST)

Culture: A, Page 58

Sow them early—since they defy frosts—and where they are to bloom, as they dislike transplanting. They flower in a few weeks from seed. Successive sowings should be made to provide continuous flowering. Mix the seeds with sand to scatter them, and thin out to 8 inches apart.

These have beautiful satiny flowers of various colors, all with white centers. Foliage is hairy and finely cut.

- 4277 **American Legion.** A dazzling orange-scarlet of enormous size. ¼ oz., 25c; pkt., 10c.

- 4296 **Dazzler.** All double orange scarlet. Pkt., 10c.

- 4238 **Double Begonia Flowered Sweet Briar.** Sweet Briar is a delightful shade of deep rose-pink. The blossoms are full double. Pkt., 10c.

- 4239 **Double Begonia Flowered Mixed.** The flowers resemble the double tuberous rooted Begonias in form, and contain an assortment of lovely light shades. Pkt., 10c.

- 4368 **Double Shirley Ryburgh Hybrids.** Beautiful double satiny flowers in shades of white, pink and old rose with white center. Pkt., 10c.

- 4280 **Wild Rose Shirley.** 20 in. Shades of rose and pink. Pkt., 10c.

- 4370 **Vaughan's Special Mixture of Shirley Poppies.** Lovely and dainty shades, many edged and shaded with other colors. 1 oz., \$1.00; ½ oz., 50c; ¼ oz., 30c; pkt., 15c.

- 4270 **Tulip (Glaucum).** 20 in. Large tulip-shaped flowers of dazzling scarlet; not unlike a Scarlet von Thol Tulip. ½ oz., 30c; pkt., 10c.

At the request of the Federal Narcotic Division, we are not listing Poppy Peony Flowered, Carnation Flowered and Cardinal Types.

Salpiglossis □

Culture: A or B, Page 58

ONE of the easiest of annuals to grow, the Salpiglossis is rich in deep color tones rare in the floral world, which are set off by veins of gold, marking every flower. Its blossoms, similar in shape to a Petunia, on strong stems are borne profusely until frosts kill the plants. 30 inches.

- | | | | |
|------|-------------------------|------|------------------|
| 4611 | Blue and Gold. | 4614 | Velvety Red. |
| 4590 | Bright Crimson. | 4595 | Faust. Black. |
| 4591 | Brown and Gold. | 4610 | Golden Yellow. |
| 4592 | Chamois. | 4599 | Purple and Gold. |
| 4600 | Rose and Gold. | 4616 | White and Gold. |
| 4613 | Scarlet and Gold. | 4617 | Violet and Gold. |
| 4601 | Rose, Crimson and Gold. | | |

Each of the above, pkt. 10c; any 3 pkts., for 25c.

4625 **Emperor Mixed.** Large improved strain. Complete range of colors $\frac{1}{8}$ oz., 25c; pkt., 10c.

4615 **Gloxiniaeflora Mixed.** A special selection of the Painted Tube Tongue. Flowers large and fancifully veined in contrasting colors. Pkt., 10c.

4630 **Vaughan's Special Mixture.** This mixture is put up by ourselves of separate varieties and is without doubt the best mixture obtainable. $\frac{1}{8}$ oz., 30c; pkt., 15c.

4620 **Dwarf Giant Flowered Salpiglossis.** See Novelty Page 15. Pkt., 20c

Denver, Colo.
July 9, 1946

Vaughan's Seed Store:—

All the seed I purchased from you this spring have been far superior to any other seeds I planted.

Yours truly,
Mrs. A. L. N.

Rudbeckia

Culture: A or B, D or E, Page 58

8465 **Herbstwald Autumn Tints.** 2 ft. A perennial which blooms the first year from seed sown in March, furnishes star flowers of fiery autumn coloring called "Gerberas of the North." Pkt., 25c.

4584 **Starlight.** Large-flowered, semi-double selection of Kelvedon Star, a free bloomer. Color from primrose yellow to mahogany and bicolors with mahogany centers. About 3 feet tall. Pkt., 25c.

Salvias

Culture: D or E, A or B, Page 58

The brilliant scarlet Salvia Splendens, so highly valued in summer beds, borders, window boxes and as cut flowers, is by no means the only worthy member of this family. The rich Wedgwood blue Salvia Farinacea Blue Bedder is increasingly popular in summer borders.

Splendens Type

4640 **America, or Globe of Fire.** 16 in. Freest and most continuous bloomer; also the most uniform in habit, which makes it particularly valuable for bedding or ribbon planting. Pkt., 25c.

4646 **Blaze of Fire.** 12 in. Earliest of all. The compact plants are mounds of brilliant scarlet, starting to bloom when only a few inches tall and continuing in bloom until late fall. Pkt., 25c.

4655 **Clara Bedman or Bonfire.** 2 ft. The spikes grow erect above the foliage forming handsome globular bushes. $\frac{1}{8}$ oz., \$1.00; pkt., 25c.

4662 **Harbinger.** The plants are dwarf and compact and dark foliage is very effective against the vivid scarlet of the flowers; seeded indoors in February, will begin to flower in June and maintain a blaze of color until frost. Pkt., 25c.

4665 **Indian Prince.** A particularly rich and royal color a purple violet with velvety sheen. Pkt., 25c.

4669 **St. John's Fire.** Brilliant scarlet spikes in profusion. Dwarf, early and continuous bloomer. Pkt., 25c.

4667 **Vaughan's Masterpiece.** The finest dwarf extra early flowering variety. Massive scarlet spikes; even compact habit. Pkt., 25c.

4670 **Zurich.** Early, dwarf and compact with large brilliant flower spikes. Pkt., 25c.

4671 **Splendens.** The well known popular scarlet sage. $\frac{1}{8}$ oz., 75c; pkt., 20c.

Other Salvias

Culture: A or B, D or E, Page 58

4683 **Farinacea Blue Bedder.** 2½-3 ft. A true Wedgwood blue. It makes a splendid background for all other colors in the border, and can be dried as an Everlasting. Is especially handsome when grown behind a line of pink Petunias. Pkt., 20c.

4685 **—Royal Blue.** Upright growth and of more intense color than Blue Bedder, with dark stems. Fine bushy plants, nice long spikes for cutting, and true. Pkt., 20c.

See also Perennial Pages.



4560 **RICINUS Zanzibar Mixed.** 10c.

Ricinus (Castor Bean) □

Culture: A or B, D or E, Page 58

Giant, strong growing plants, with ornamental foliage. These plants drive away moles from a garden.

4546 **Crimson Spire.** 6 ft. Large purplish leaves changing to bronzy green. Stems, stalks and veins are rich red; seed spikes and seed pods are brilliant rosy crimson. Most showy of all. Oz., 50c; $\frac{1}{2}$ oz., 30c; pkt. 10c.

4555 **Sanguineus.** 7 ft. Whole plant reddish purple, very effective. Pkt., 10c.

4570 **Mixed.** Many sorts. 1 oz., 50c; pkt., 10c.

4560 **Zanzibar Mixed.** 10 to 12 ft. The ornamental leaves, beautifully lobed, are 2½ to 4 ft. across. Each plant a perfect pyramid. Oz. 50c; p.kt., 10c.

Periwinkle—See Vinca.

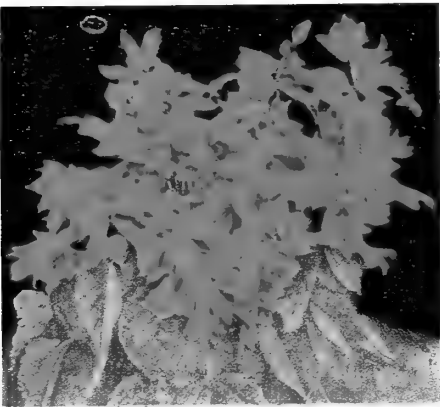
4515 **PYRETHRUM Aureum Golden Feather.**

Culture: A or B, D or E, Page 58 □

6 in. Edging plant grown for its beautiful yellow foliage. Pkt., 10c.



4630 **SALPIGLOSSIS** Vaughan's Special Mixture. Pkt., 15c.



4640 **SALVIA SPLENDENS** America, Pkt., 25c.



4683 **SALVIA Farinacea** Blue Bedder (in Background). Pkt., 20c.

5770 **VINCA** White (in Foreground). Pkt., 10c.

Scabiosa (Mourning Bride) □

Culture: A or B, D or E, Page 58

Sweet Scabiosas have a soft fragrance and add beauty to the garden picture. They are fast growing annuals and one of the most important for cut flowers. Blooms on long, slender stems, which are exceedingly graceful; known as the Pincushion Flower because the stamens of some varieties are light in color and stick out so that they resemble pins stuck in a cushion.

COCKADE TYPE 3 FT.

Has conical form with attractive depth of flower.

4703 **Blue Cockade.** Pure deep azure. Pkt., 20c.

DOUBLE LARGE FLOWERING 3 FT. SPECIAL STRAIN

4714 **Ageratum or Amethyst Blue.** 4732 **Rosette.** Deep rose suffused

4715 **Azure Fairy.** Azure blue. salmon.

4727 **Loveliness.** Salmon rose shades. 4734 **Salmon Beauty.** Pure salmon.

4729 **Peachblossom.** Peachblossom white. 4728 **Shasta Improved.** Enormous pink.

Each of above, pkt., 15c; 3 pkts. for 40c.

4737 **Vaughan's Mixture of Super-Scabiosa.** The above and other charming varieties. $\frac{1}{4}$ oz., 60c; Pkt., 25c.

4731 **Blue Moon.** See Novelties. Pkt., 15c.

STANDARD DOUBLE VARIETIES 2½ FT.

4725 **Black Prince.** Black purple. 4710 **Fiery Scarlet.**

4720 **Cherry Red.** Crimson. 4730 **Rose.** Bright rose.

4700 **Golden Yellow.** Sulphur yellow.

Each of above, pkt., 10c; 3 pkts. for 25c.

DOUBLE SEMI-DWARF VARIETIES

4744 **Heavenly Blue.** A lovely azure-blue very early. Plants are dwarf, 18 in., bushy, suitable for bedding. Pkt., 25c.

4738 **Peace.** Flowers are 2 in. across. Perfect form almost spherical; pure white. The sturdy vigorous plants grow 2 ft. tall. Flowers are beautiful in a light blue container.

4743 **Dwarf Double Mixed.** 1½ ft. Various colors. Do not require staking and are desirable for planting in front of the taller sorts. $\frac{1}{8}$ oz., 35c; pkt., 10c. See also Perennial Pages.

4740 **SCABIOSA** *Vaughan's Special Mixture.* Many new colors have been purchased for this and we are sure the delicate and soft colors will be admired by all our friends who plant a packet of this seed. $\frac{1}{4}$ oz., 50c; pkt. 15c



4737 SUPER-SCABIOSA, Vaughan's Mixed. Pkt., 25c.

Colorful Stocks □

Culture: A or B, D or E, Page 58

STURDY flower spikes covered with rosette blossoms in soft colors of an exceptional tone range. Stocks require a rich soil of a sandy, well manured loam. Only 60 per cent will come double. Sow seed early in the house and transplant outside when all danger of frost is over. Stocks are a cool temperature crop.

Bismarck or Giant Imperial

If sufficient room is given, the plants develop to enormous dimensions, forming magnificent bushes with long and thick flower stalks. The best variety for greenhouse use. 2½ ft.

4921 **Buttercup.** Yellow. 4946 **Chamois.**

4945 **Blood Red.** 4931 **Dark Blue.**

4944 **Elk's Pride.** Royal Purple.

4947 **Flesh.** 4930 **Lilac.**

4948 **Golden Rose.** 4933 **Rose.**

4932 **Lavender.** 4925 **Shasta.** White.

Price, each of the above, pkt., 15c.

4949 **Bismarck Mixed.** $\frac{1}{8}$ oz., 75c; pkt., 15c.



4865 STOCKS, Dwarf Double Ten Weeks, Best Mixed. Pkt., 10c.

Dwarf Large-Flowering Double Ten Weeks Stock 12 in.

4845 **Blood Red.** 4850 **Light Blue.**

4835 **Canary Yellow.** 4841 **Rose Pink.**

4856 **Dark Blue.** 4830 **White.**

Each of the above, pkt., 10c; any 3 pkts. for 25c.

4865 **Best Mixed.** $\frac{1}{8}$ oz., 50c; pkt., 10c.

Column—Non-Branching

An excellent new class producing one stem 2½ ft. thickly set with large, double flowers. The first flowers appear when the plant is about 14 inches high.

4950 **Blue.** Dark lilac blue. 4954 **Purple.**

4951 **Chamois Pink.** 4956 **Silvery Lilac.**

4961 **Yellow Wonder.** Best yellow.

4960 **Rose Pink.** 4957 **White.**

4955 **Ruby.** 4958 **Mixed.**

Price, each of the above, pkt., 25c.

4952 **Double Giant Column Gardenia.** Shimmering, glistening white, the flowers are the purest snow white of any stock variety yet introduced. Pkt., 50c.

Schizanthus

Butterfly Flower or Poorman's Orchid □

Culture: A or B, D or E, Page 58

Beautiful bushy plants covered with dainty flowers handsomely marked with contrasting colors.

4754 **Pansy Flowered (Danbury Park strain).** Large blooms of Pansy shape, in rich pink, crimson, mauve, purple and white. Pkt., 35c.

4755 **Dr. Badger's Hybrids.** An extraordinary strain in many beautiful colors. Pkt., 25c.

4757 **Vaughan's Excelsior Hybrids.** A choice strain with very large flowers with handsome markings on white, buff, rose, blue and purple ground. Pkt., 25c.

4753 **Vaughan's Dwarf "Masterpiece."** This is the best strain in existence. The plants grow dwarf and compact, making them most suitable for pot culture. The flowers vary from light pink to dark violet. Pkt. (100 seeds), 50c.

Statice □ For Winter Bouquets

Culture: D or E, Page 58

Our annual Statice is not only a beautiful flower in the border, but dries retaining its true colors, and is indispensable in making winter bouquets.

4800 **Bonduelli Superba.** 3 ft. Producing numerous heads of bright yellow flowers. Pkt., 10c.

4793 **Puberula.** 4-6 in. Flowers 5 months after sowing; magnificent dark violet blooms. Pkt., 25c.

4795 **Russian (Suworowii or Rat Tail).** 30 in. Flowers bright rose color. $\frac{1}{4}$ oz., 50c; pkt., 10c.

4801 **Sinuata Rosea Superba.** 3 ft. Pkt., 10c.

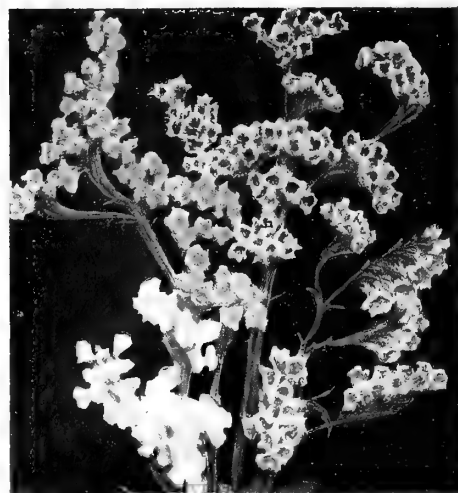
4808 **—Lavender Queen.** Clear bright lavender. Pkt., 10c.

4806 **—New Hybrids.** Art Shades, in a mixture for the garden and winter bouquets. Pkt., 15c.

4803 **—True Blue (Kampf's Improved).** Pkt., 15c.

4804 **—Pure White.** 3 ft. Pkt., 10c.

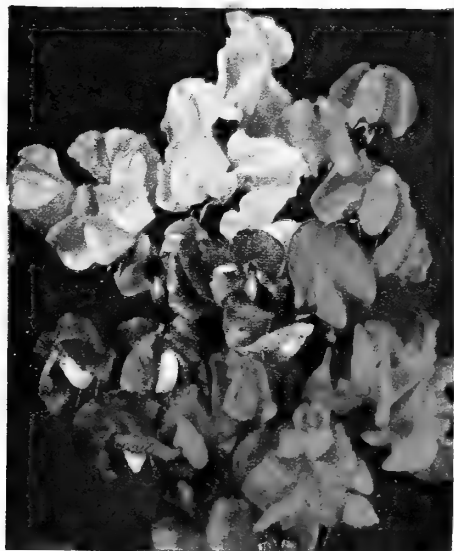
4805 **—Mixed.** 3 ft. Pkt., 10c.



4806 STATICE SINUATA, New Hybrids. Pkt., 15c.



5590 **Fragrant Varieties of Sweet Peas Mixed.** A mixture of the starred varieties noted in text. Oz., 65c; pkt., 25c.



5285 **SWEET PEAS.** Heat Resisting Summer, Flowering Spencer Mixed. Pkt., 20c.

Heat Resisting Summer Flowering Spencer
These varieties greatly prolong the flowering period where summers are warm. The stems are longer than the early flowering varieties and the flowers come earlier and last longer and are the same size as the Early Flowering varieties.

- 5275 **Blackseeded White Improved.**
78 **Blue.** 5282 **Light Blue.**
76 **Clear Pink.** 5280 **Light Lavender.**
79 **Lavender.** 5281 **Mauve.**
5277 **Rose Pink.**
Each of above, pkt., 20c; 3 pkts., for 50c.
5285 **Mixed Heat Resisting New Early Flowering.** ½ oz., 60c; oz., \$1.00; pkt., 20c.

Early Spencer Sweet Peas

Culture: D or E, Page 58

A **RACE** of Sweet Peas, having the large waved flowers of the Spencer type but flowering fully one month earlier, and for a much longer period. This class is recommended for all sections where spring is late, as they give flowers before the summer heat arrives. ★ **Varieties preceded by star are fragrant.**

For better results, Sweet Pea seed should be inoculated with nitrogen before planting. Garden size packet, 10c.

Collection No. 5600. One Packet Each, Sweet Peas, Early Flowering Spencer

American Beauty, Apollo, Daphne, Grenadier, Laddie Improved, Mrs. Herbert Hoover, Orange King, Sequoia, Twilight and White Champion 75c

Any of the packets below, 10c each; 3 packets for 25c.

- 5343 **American Beauty.** Crimson-rose on white.
5345 ★ **Amethyst.** Royal purple.
5346 **Apollo.** Soft salmon cerise.
5353 **Bacchus.** Rich red maroon.
5354 ★ **Blue Bird.** Violet-blue.
5352 **Boon.** Deep salmon-pink.
5347 **Bridesmaid.** Silvery pink.
5348 **Burpee's White.**
5367 **Daphne.** Soft salmon-pink on cream ground.
5408 **Fiesta.** Almost deep enough to be an orange scarlet, definitely sun-proof.
5411 ★ **Fragrance.** Large frilled lavender.
5415 ★ **Gardenia.** Fragrant white.
5416 ★ **Giant Rose.** Extremely large rose-pink.
5430 **Grenadier.** Dazzling scarlet.
5438 ★ **Harmony.** Lavender.
5470 ★ **Laddie Improved.** Light rose-pink.
5495 ★ **Mrs. Herbert Hoover.** Clear deep blue.
5486 **Mariner.** Mauve.
5500 **Orange King.** Glowing orange.
5501 **Oriental.** Deep cream, black seeded.
5522 **Redwood.** Bright rich crimson.
5529 **Sequoia.** Rich golden salmon-cerise.
5530 **Shirley Temple.** Soft rose pink.
5539 **Snow Queen.** Pure white, black seeded.
5548 **Tahoe.** Large wavy flowers, chicory blue.
5552 **Triumph.** Lovely soft lilac mauve.
5554 **Twilight.** Medium clear lavender, large flowered and long stemmed.
5553 **Treasure Island.** A sparkling golden orange.
5555 **Valencia.** Bright orange, sun-proof.
5560 **White Champion.** Long stemmed, pure white flowers.
5561 ★ **White Harmony.**
5565 **Zvolanek's Cascade.** White.
For **PERENNIAL SWEET PEAS**—See *Lathyrus Latifolius* on Perennial Pages.

5595 **Vaughan's Special Mixture, Early Flowering Spencers.** All the varieties listed and many others. 4 oz., \$1.50; 2 oz., 90c; oz., 50c; pkt., 15c.

5320 **Vaughan's Special Mixture, Late Spencer.** Named late flowering Spencer, varieties growing wonderful blossoms for a long period. ¼ lb., 60c; oz., 25c; pkt., 15c.

4766 *Scarlet Runner Emperor* □

Culture: A, D or E, Page 58

Double Purpose Runner Beans

Scarlet Runner beans serve a double purpose—they provide both flowers and food. Some persons do not realize that these beans are good to eat, yet in England they are grown by the acre by market gardeners for their city trade. A good way to increase the yield is to wait until the runners are about a foot from the top of the poles and then pinch out the top. This will make them throw out additional trusses of bloom and, of course, increase the number of beans. Pkt., 10c.



4766 **BEANS** Scarlet Runner Emperor. Pkt., 10c

Annual Sunflowers

HELIANTHUS Large Flowered □

Culture: A or B, D or E, Page 58

- 2700 **Gaillardia-flowered or Red Sunflower.** 4 to 8 ft. Some flowers of a rich chestnut-red, others tipped with yellow, still others slightly washed with red. Pkt., 10c.
2709 **Chrysanthemum Flowered Double.** 3 to 4 ft. Select double golden yellow flowers. Pkt., 10c.
2713 **Sun Gold.** 4 ft. This sunflower makes a brilliant sea of color as all the plants burst into bloom on the same day. May planting will flower in early August. Blooms are all double. Pkt., 15c.
2725 **Russian Mammoth.** 8 ft. Single, of gigantic dimensions. The Kansas Sunflower. Some of our friends grow these for support for their pole beans. Lb., 40c; ½ lb., 30c; ¼ lb., 20c; 1 oz., 10c.

Miniature-Flowered

- 2750 **Cucumerifolius Stella.** Purest golden yellow flowers, the petals of which are slightly twisted. Pkt., 10c.
2755 **—Vaughan's Special Mixture.** Includes many Cucumerifolius sorts not listed. Pkt., 10c.

- 2760 **Vaughan's Special Mixture.** Of all the single and double Sunflowers we list and several varieties we buy especially for this mixture. ¼ oz., 25c; pkt., 10c.

Texas Queen Anne's Lace □

Culture: A or B, Page 58

- 5638 Large heads of tiny white flowers of lace-like appearance. Resembles Queen Anne's Lace of our roadsides, but more refined. Grows 3 to 5 ft. tall. Pkt., 10c.



VIOLA CORNUTA. 5805 Yellow Gem. Pkt., 20c. 5790 Blue Perfection. Pkt., 15c. 5806 White Perfection. Pkt., 15c. 5804 Chantreyland. Pkt., 25c. 5814 Collection 1 pkt. each of 4 above Violas, 60c.

Free Flowering Violas

Culture: A or B, Page 58

BECAUSE of their free flowering habit and long season of bloom, Violas are becoming rapidly more popular for use in the foreground of the border, in small beds, and in rockeries, where their dwarf spreading habit is welcomed. They continue flowering all summer.

5813 VIOLA

Vaughan's Special Mixture.
A charming and delightful mixture of these bright and everblooming Violas in a complete color range, shading from pale lavender to rich purple-black, yellow, white, terra-cotta, apricot and rose. Pkt.....

25c



Red Runnerless Strawberry

- 4828 **Baron Solemacher.** This wonderful novelty has the largest berries in this strain. It makes no runners; flowers in eight weeks and produces quantities of fruit. Wash the berries, sprinkle with sugar several hours before using. The berries will almost float in juice. This brings out the flavor. Pkt., 25c.
- 4829 **Baron Solemacher. Yellow Fruited.** A counterpart of the above but golden and of even finer flavor. Pkt., 25c.

Sanvitalia 6 in. Creeping Miniature Zinnia

Culture: A or B, D or E, Page 58

- 4690 **Procumbens.** Like tiny Zinnias, golden with purple centers, single and double. The plants creep over the soil. June until frost. 1/8 oz., 25c; pkt., 10c.

Saponaria (Soapwort)

Culture: A or B, D or E, Page 58

- 4693 **Vaccaria Alba.** White.
- 4691 **—Rose.** 2 ft. Light graceful sprays of glistening pink flowers, somewhat like a "glorified" Gypsophila, produced in profusion.
- 4692 **—Mixed.** Each of the above pkt., 10c.

CORNUTA TYPE

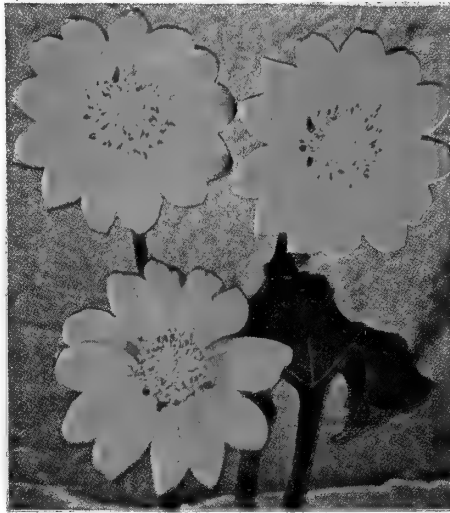
- 5785 **Admiration.** Violet-blue. Pkt., 15c.
- 5790 **Blue Perfection.** Light blue. Pkt., 15c.
- 5789A **Blue Beauty.** Bright blue. Pkt., 15c.
- 5804 **Chantreyland.** Apricot. Pkt., 25c.
- 5786 **Golden Orange.** Pkt., 25c.
- 5802A **King Henry (Purple King).** A deep purple violet with lighter center and yellow eye. Pkt., 25c.
- 5796 **Jersey Gem.** Flowers of rich pure violet, large, fragrant, flowering persistently all summer. Pkt., 25c.
- 5800 **Papilio Blue and White.** Flowers soft lavender-purple, lower petals flushed white. Pkt., 15c.
- 5806 **White Perfection.** Finest white. Pkt., 15c.
- 5795 **Nosegay.** A blend of bright gay colors, red, yellow, blue and apricot, combined with many blotched combinations. Pkt., 25c.
- 5852 **Super Large Flowering Scotch.** The Scotch have been great fanciers of Violas and this is a strain they have greatly improved. The flowers are large, all two toned without blotches and have a complete color range. Pkt., 25c.

CORNUTA HYBRIDA (Large Flowers)

- 5787 **Arkwright Ruby.** Bright ruby crimson shaded terra-cotta; fragrant. Pkt., 25c.
- 5789 **Blue Butterfly.** Vivid mid-blue shading to white in the upper petals. Pkt., 25c.
- 5790A **Chinese Blue.** A round-faced type. According to the Royal Horticultural Chart, is French Blue. It is the nearest substitute to the famous Viola Maggie Mott. Pkt., 25c.

Miscellaneous Violas

- 5788A **Blue Elf.** The upper petals are deep violet blue, lower petals light violet blue with gold eye and black lines radiating from center. Flowers 3/4 in. in diameter, small dark green foliage. Pkt., 25c.
- 5797 **Johnny-Jump-Up or Viola Tricolor.** Also known as "Ladies' Delight" and "None so Pretty". They are more hardy than their relative the Violas and if allowed to seed will carpet a Rose or Iris bed with a mass of flowers early in May. They bloom all season. Purple, blue and yellow are the three colors that give them their name and the combinations are variable. Pkt., 25c.
- 5791 **Helen Mount.** See Novelties for description and illustration.
- 5798 **Lutea Splendens.** 8 in. Bright yellow. 10c.
- 5811A **Nigra or Black Imp.** Quaint little flowers that might have been snipped from black velvet, come true from seed. May be naturalized effectively. Blooms quickly first year from seed. Pkt., 25c.
- 5805 **Yellow Gem.** Free flowering clear yellow of compact habit, reproduced nearly true from seed. Pkt., 20c.



5642 TITHONIA Avalon. Pkt., 25c.

Golden Flower of the Incas

Culture: D or E, Page 58

- 5642 **Tithonia Avalon Earliest.** 5 ft. Blossoms from orange topaz through tangerine. Sow where the plants are to stand, after the soil is warm. Blooms mid-July. Pkt., 25c.



5645 TORENIA Fournieri. Pkt., 15c.

Torenia (Wishbone Flower)

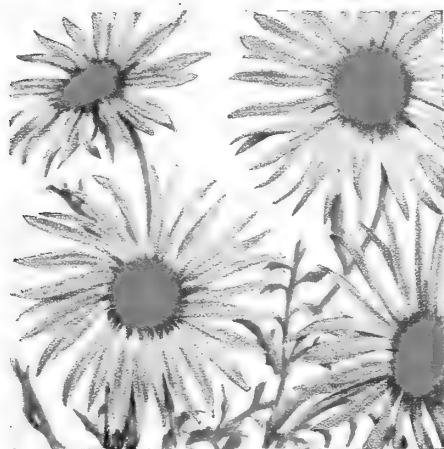
Culture: D or E, A or B, Page 58

- 5645 **Fournieri.** Bushy globular plants literally covered with the lovely, richly-colored Snapdragon-like flowers of a delightful sky-blue, with a touch of gold on the lip. Pkt., 15c.

VERBESINA ENCELOIDES—See Butter Daisies



5706 ROSEA STELLATA Pkt., 15c. 5718 LAVENDER GLORY Pkt., 15c. 5701A ETNA Pkt., 15c. 5717 SUTTON'S GIANT Pink, Pkt., 15c.
5697 VERBENA COLLECTION. One Pkt. each 4 above varieties for 50c.



5635 TAHOKA Daisy. Pkt., 25c.

Tahoka Daisy □ 20 in.

Culture: A or B, D or E, Page 58

5635 A beautiful lavender-blue Daisy with fern-like foliage. Carried on good long stems, the flowers are tinted with rose as they fade, center deep yellow. Under open ground culture the plants are in bloom by middle of June and flower until October. Excellent for cutting. To get an even and quick germination, keep seed in refrigerator two weeks. Pkt., 25c.

Vinca Rosea (Periwinkle) □

Culture: D or E, Page 58

Free-flowering annual bedding plants of bushy growth with dark green glossy foliage and large single round flowers. It is immune from insect attacks and blooms over a long period. Height 1 foot.

Culture: Sow seed after last frost in open ground and thin to 1 foot apart or sow inside and transplant after all danger of frost is over.

5770 White. 5772 White with Eye.

5771 Delicata. Soft pink. 5773 Pink.

Each of the above, pkt., 10c.

5769 Twinkles. Large flowers of an unusual soft bluish pink with a bright red eye. Pkt., 15c.

5775 Mixed. Pkt., 10c.

Viscaria □

Culture: D or E, Page 58

Very showy and effective garden annual, producing freely throughout the summer large single flowers in red, white and blue shades. Very bright and effective for beds and useful for cutting.

5776 Blue Bouquet. 1 ft. Large blue. Pkt., 10c.

5782 Blue Pearl. It is a pure lavender blue without an eye. Pkt., 10c.

5784 Dwarf Fiery Red. Large single bright red flowers. Pkt., 15c.

5778 Mixed. 1 ft. Pkt., 10c.

5779 Dwarf Mixed. 8 in. Pkt., 10c.

Verbenas □

Culture: D or E, A or B, Page 58

These are colorful annuals for some sunny spot in the border. In bloom continuously. They make gay bouquets for table decorations. Do not sow the seed outdoors until the soil gets warm (May 15th to June 1st). May also be started earlier indoors to advantage. Grows only 6 to 12 inches tall but spreads to 2 feet across.

HYBRIDA Gigantea 1 ft.

A magnificent strain of Verbenas, of robust habit, the individual florets measuring an inch in diameter.

5701 Gigantea Alba. Pure white. Very fragrant.

5700 —Annapolis Blue. A giant bearing large trusses of flowers of light to mid-blue blending in effect of deep Belladonna blue.

5700A —Brilliant. Rich flame rose white eye.

5702 —Cerise Queen. Salmon cerise.

5722 —Crimson Glow. A pure glowing crimson

5701A —Etna. Geranium-red, with a cream eye.

5718 —Lavender Glory. A true lavender with a medium-sized creamy white eye. The color runs about 80% true. It is also distinctly fragrant.

5703 —Lucifer. Vivid scarlet self.

5704 —Luminosa. Luminous flame-pink to salmon.

5706 —Rosea Stellata. Pink, white eye.

5719 —Royale. Royal blue, creamy yellow eye.

5710 —Spectrum Red. Intense bright red.

5717 —Sutton's Giant Pink. Salmon-pink, light eye.

5707 —Violacea Stellata. Deep violet, white eye.

Each of the above, pkt., 15c; any three 15c pkts. for 35c.

5708 Gigantea Mixed. A wonderful mixture of large flowering varieties. Pkt., 15c.

5711 Beauty of Oxford Hybrids. A beautiful giant strain. Color shades from clear rose-pink to rose-red, the brightest produced from seed. Florets easily cover a silver half dollar. Pkt., 15c.

5712 Floradale Beauty. Beauty of Oxford type of rose shades, salmon-rose predominating. Pkt., 15c.

5713 Royal Bouquet, Finest Mixed. Upright, large flowers, auricula eyed, brilliant mixed, especially good for pot culture. Pkt., 15c.

Various Verbenas

Culture: D, E or C, Page 58

5755 Erinoides. 12 in. Moss-like foliage spreads over the ground like a carpet, purplish-blue blossoms in lavish profusion. Blooms until frost. Pkt., 10c.

5751 Fern Leaved (Bipinnatifida). Plants grow 18 inches, spread over two square feet, with ferny, feathery gray-green foliage; covered by clusters of lavender-blue flowers. Pkt., 25c.

5730 VERBENA Vaughan's Best Mixture. Includes all the Hybrida and Gigantea sorts and other sorts not listed and we feel perfectly safe in stating this mixture of Verbenas will eclipse every other strain offered by any other house, and it will produce flowers that will delight all beholders throughout the summer. 1/8 oz., 50c; large pkt., 25c; pkt. 15c

VERBENA - Continued.

5765 Venosa. 1 ft. Largely used for bedding; covered with bright rosy heliotrope flowers. Sow in March in clear sand for quick germination. Blooms until frost, hardy with protection. An interesting combination when used with Marigold Harmony. Pkt., 10c.

5766 —Lilacina. 1 ft. Resembles Venosa, but with blossoms of lavender-blue. Hardy with protection. Pkt., 25c.

8566A Bonariensis. ① 4 ft. A grand perennial that blooms from seed the first year for the herbaceous border or for cutting. Sweet scented rosy lavender flowers on long stiff stems. Pkt., 15c.

5750 Lemon-Scented. An old favorite with fragrant evergreen leaves. It is a low-growing tender plant and may be grown in the garden in summer and in pots in winter, and the leaves dried and laid among linens. Pkt., 25c.

Thunbergia (Golden Glory Vine)

Culture: D or E, A or B, Page 58 □ 5 ft.
Germination 3-4 Weeks

5640 Alata, Mixed (Black-Eyed Susan). A lovely plant with large showy flowers. Forming a dense mat of foliage and flowers. Colors range through yellow, orange, buff, to pure white, mostly with jet-black centers, or eyes. Seed germinates slowly. Pkt., 10c.

5639 Gibsoni. Glistening green ivy foliage and flowers of glowing orange. Pkt. (15 seeds), 35c.

5655 TRITOMA Hybrida Mirabilis (Red Hot Poker Plant). A perennial that blooms the first year. Pkt., 15c

5648 —Miracle Mixed. ① Showy border plants. Flowers borne in compact form on stout 3 and 4 ft. stems. This mixture is made up from twelve to fifteen different colors from named varieties. Require protection during winter, unless sheltered. Pkt., 25c.

Virginia Stocks □ 6 in.

Culture: D or E, Page 58

5815 Mixed. Sown early these pretty annuals are gay in the period between the spring and summer flowers, their fresh bright colors in edgings and beds producing a charming effect, very fragrant. Pkt., 15c.

Star of Texas

Culture: A or B, D or E, Page 58

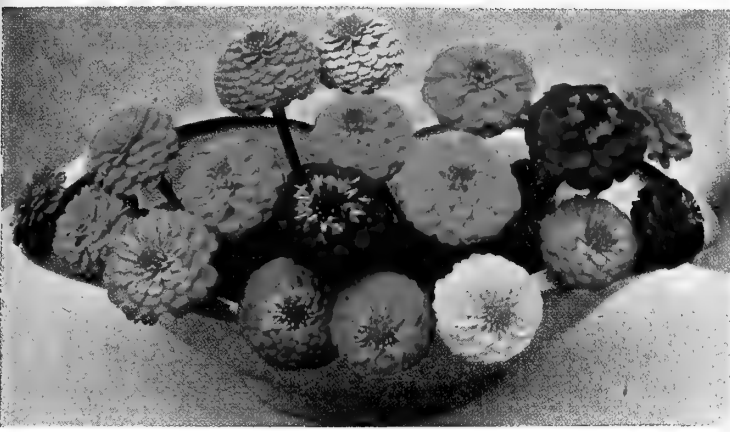
4820 Star of Texas (Xanthisma Texanum) One of the prettiest annuals, easily grown. Flowers are light canary-yellow with a lighter colored center; single, daisy-like, with long, pointed petals. Quite hardy, does well in dry, open places. Plants are branching, 18 in. high and as much across. Sow in the open in early spring. Pkt., 25c.

Xeranthemum (Everlasting)

□ 2 ft.

Culture: D or E, Page 58

5852 Pompon Daisy. One of the loveliest of the everlastings, with flowers which retain their brilliant colors remarkably well when dried, this double pompon flowered Xeranthemum may also be used as a cut flower when fresh. It makes delightful arrangements in small bowls. Pkt., 20c.

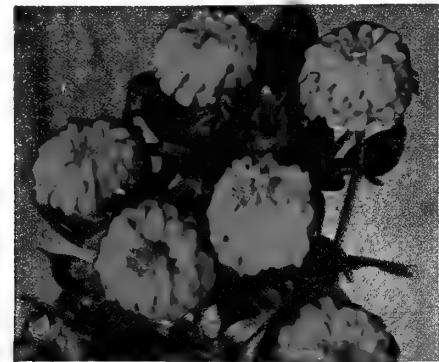


6075 ZINNIA Lilliput, Vaughan's Special Mixed. Pkt., 15c.

Smaller Zinnias □

6173 Vaughan's Novelty Mixture. All the new types of Zinnias such as Fantasy, Navajo, Striped and others, which are rich in color combinations and unusual forms of high decorative value, which make them valuable for cut flowers. All have small or medium flowers and are suitable for low bowl arrangements. They also give excellent border effect in the garden. Pkt., 25c; 3 pkts., 65c.

THEY bloom in much greater profusion than the larger types, standing well out above the foliage and registering as a color mass in the picture. They are also excellent for pot plants and cut flowers.



Culture: A or B, D or E, Page 58

Cut-and-Come Again PUMILA DOUBLE

These bushy plants with their wealth of bloom are showy garden subjects as edgings or in mass plantings. Providing quantities of cut flowers all summer; the more they are cut, the more they bloom.

- | | |
|--|-------------------|
| 6080 Snow Ball. | 6095 Fire Ball. |
| 6097 Pinkie. Rose-pink. | 6085 Golden Ball. |
| 6098 Spun Gold. A delicate butter-yellow or deep primrose, fine form. | |
| 6100 Watermelon Pink. A very pleasing and charming shade of salmon-rose. | |
| Each of the above, pkt., 10c; 3 pkts. for 25c. | |
| 6105 Pumila Vaughan's Special Mixed. Oz., \$1.25; ¼ oz., 35c; pkt., 15c. | |

Lilliput Zinnias

The plants form handsome little bushes and fairly bristle with tiny, short-stemmed, very double flowers. They bloom all summer. 12 to 15 in.

- | | |
|---|-----------------------|
| 6071 Black Ruby. Rich deep maroon. | |
| 6052 Bright Pink. | 6064 Purple. |
| 6073 Canary Yellow. | 6065 Salmon Rose Gem. |
| 6061 Crimson Gem. | 6066 Scarlet Gem. |
| 6053 Dainty Gem. The gay, colorful and intriguing little bicolor rose flowers will add to the garden picture and supply attractive bouquets for home decoration. Pkt., 25c. | |
| 6062 Golden Orange. | 6067 White Gem. |
| 6068 Rose Bud. Rose-pink. | |
| 6069 Valencia. A real deep burnt orange. | |
| Each of above, except Dainty Gem, pkt., 10c; any 3 pkts., 25c | |
| 6075 Lilliput Vaughan's Special Mixed. All above and others. Oz., \$1.50; ¼ oz., 50c; pkt., 15c. | |
| 6070 Lilliput Pastel Mixture. 15 in. A carefully chosen mixture of pastel tints of yellow, pink, rose and orchid. They flower in 45 days. Pkt., 15c | |

Cupid Type. The smallest of all. 1 ft. Compact plants of bushy habit. Each upright stem bears a flower 1 in. in diameter. Ideal for cutting and for use in miniature vases.

- | |
|--|
| 6020 Cupid Goblin. Golden orange. Pkt., 15c. |
| 6021 Cupid Pixie. Yellow. Pkt., 15c. |
| 6022 Cupid Snowdrop. White. Pkt., 15c. |
| 6025 Cupid Mixed. ½ oz., 35c; pkt., 10c. |

Fantasy Type

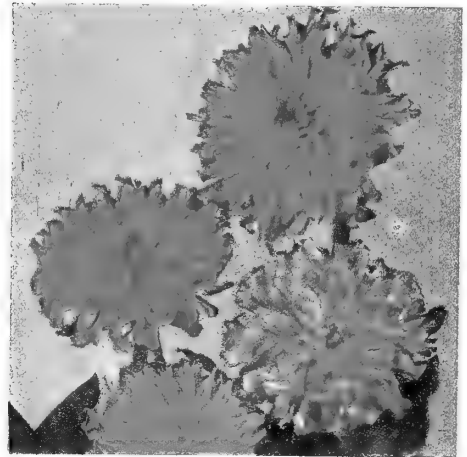
- 2½ ft. shaggy, ray-like petals, like Cactus Dahlia.
- | | |
|--|--|
| 5912 Orange Lady. Bright deep orange. | |
| 5911 Rosalie. Intense rose. | |
| 5909 Star Dust. Deep golden yellow. | |
| 5913 White Light. Pure white. | |
| 5914 Wildfire. Rich dazzling scarlet. | |
| Each of the above, pkt., 15c; 2 pkts. for 25c. | |
| 5908 Mixed. A bright colorful mixture of shaggy petaled double flowers. ¼ oz., 60c; pkt., 15c. | |



6126 TYPES Included in Vaughan's Midget Zinnias. Pkt., 15c.

Midget Zinnias

6126 Vaughan's Mixture of Midget Zinnias. Includes more than fifteen varieties, all delightful, charming in the garden and of just the size to make attractive table arrangements. Many of your friends will never recognize them as Zinnias. Easy to grow and always covered with bloom. ¼ oz., 50c; pkt., 15c.



5908 ZINNIA Fantasy Mixed. Pkt., 15c.



Scabiosa Flowered

6159 Mixed. 2½ ft. on a single corona of outside petals stands a crown of small florets similar in form to the flowers of the Scabiosa. ¼ oz., 60c; pkt., 15c; 3 pkts., 40c.

A Favorite Border Plant

6110 Red Riding Hood. 1 ft. Of compact form, covered the entire season with double scarlet flowers not over an inch across; as a border plant it is highly effective. Oz., \$1.50; ¼ oz., 50c; ½ oz., 30c; pkt., 10c.

Novel Zinnia Strains

- 6127 Linearis.** 10 in. The flowers, with a single row of petals, are one and one-fourth inches in diameter. Early flowering. Pkt., 15c.
- 6125 Zinnigold Double Hybrids.** 16 in. Double flowers in various shades of brown and orange. 10c.
- 6115 Zinnigold Single Hybrids.** Flowers small and showy. Daisy-like in form, range in color from yellow to mahogany red, free flowering. Pkt., 10c.
- 6172 Navajo Mixed.** 18 in. Flowers abundant, of medium size, scarlet, orange and other hues suggesting Navajo Indian decorations. Pkt., 15c.

Wallflower ÷ 18 in.

Culture: D or E, Page 58

Wallflowers excel in fragrance and rich reds and yellows. In the North they should be wintered in cold frames.

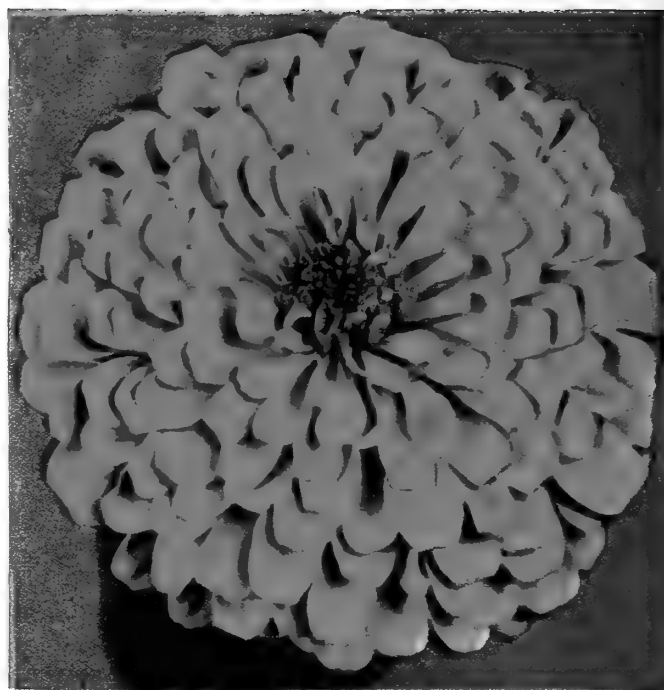
- | |
|--|
| 5820 Single Mixed. Pkt., 10c. |
| 5825 —Annual Blood-Red. Pkt., 10c. |
| 5826 —Annual Yellow. Pkt., 10c. |
| 5835 —Annual Mixed. Pkt., 10c. |
| 5832 Annual Double Mixed. A fine pot plant, will bloom first year from seed, if sown early. Pkt., 15c. |

Wild Cucumber □ =

5847 Quickest growing climber on our list. It is thickly dotted over with white fragrant flowers, followed by an abundance of ornamental and prickly seed pods. Sown on banks it will act as soil binder. 1 oz., 25c; ½ oz., 15c; pkt., 10c.



6133 ZINNIA Crimson Monarch. Pkt., 15c.



6134A ZINNIA Giant Dahlia Flowered Eldorado. Pkt., 15c.

Regarded by experts as the model of Zinnia perfection in form, uniform color and trueness to type.

Giant Dahlia Type Zinnias

Zinnias are heat loving plants, and seed should not be sown until the ground and atmospheric conditions are warm. If grown in a sunny spot in well fertilized soil and watered freely, the flowers will be more completely double.

Culture: A or B, D or E, Page 58

6171 6 PACKETS, CATALOG VALUE 90c. **50c**
One each of Crimson Monarch, Polar Bear, Illumination, Oriole, Royal Purple and Eldorado prepaid.

Giant Dahlia Flowered Zinnias 2 to 3 ft.

The broad petals are closely imbricated, sometimes seeming almost to be piled one upon the other, the flowers often 4 inches in depth and 6 inches in diameter, resembling Show Dahlias.

6131 Canary Bird. A delicate shade of primrose.



6134 ZINNIA Dream. Pkt., 15c.

6133 **Crimson Monarch.** Rich crimson, largest and best of red shades.

6134 **Dream.** A fine, deep lavender, turning to purple (Mallow Purple).

6134A **Eldorado.** Salmon apricot.

6135 **Exquisite.** Color light rose with center a deep rose.

6137 **Golden Dawn.** Beautiful shade of golden-yellow with red center.

6136 **Golden State.** A very rich orange-yellow. Yellow in the bud, turning to an attractive orange when in full bloom.

6130 **Illumination.** A striking self-color of deep rose.

6130A **Luminosa.** Bright deep pink.

6142 **Meteor.** A rich glowing deep red, darkest of all red shades.

6138 **Oriole.** An immense orange and gold bicolor.

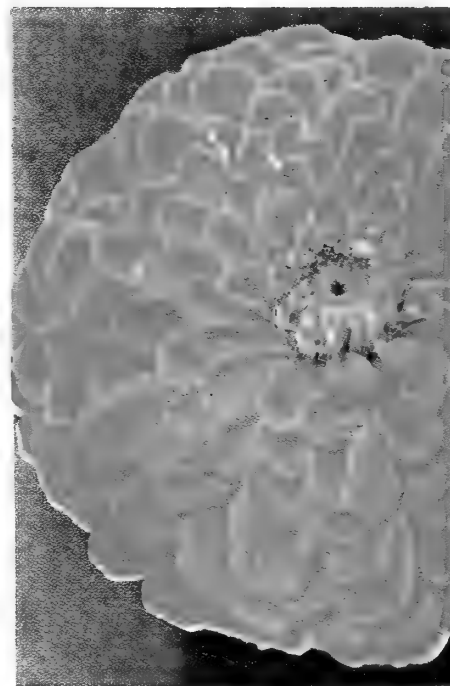
6139 **Polar Bear.** A very large pure white, the best white.

6143 **Royal Purple.** A deep rich reddish purple.

6141 **Scarlet Flame.** Bright scarlet.

6143A **Will Rogers.** Most beautiful scarlet red.

Each of above... Any four pkts., 50c; pkt., 15c



6131 ZINNIA Canary Bird. Pkt., 15c.

MIXTURE OF AUTUMN COLORS

6157 **Indian Summer Mixture.** This includes the warm bright colors of both Dahlia Flowered and California Giant Zinnia groups—the red, orange and bright yellow varieties in which the zinnia is rich. Pkt., 15c.

All the Above and Others in Balanced Mixture

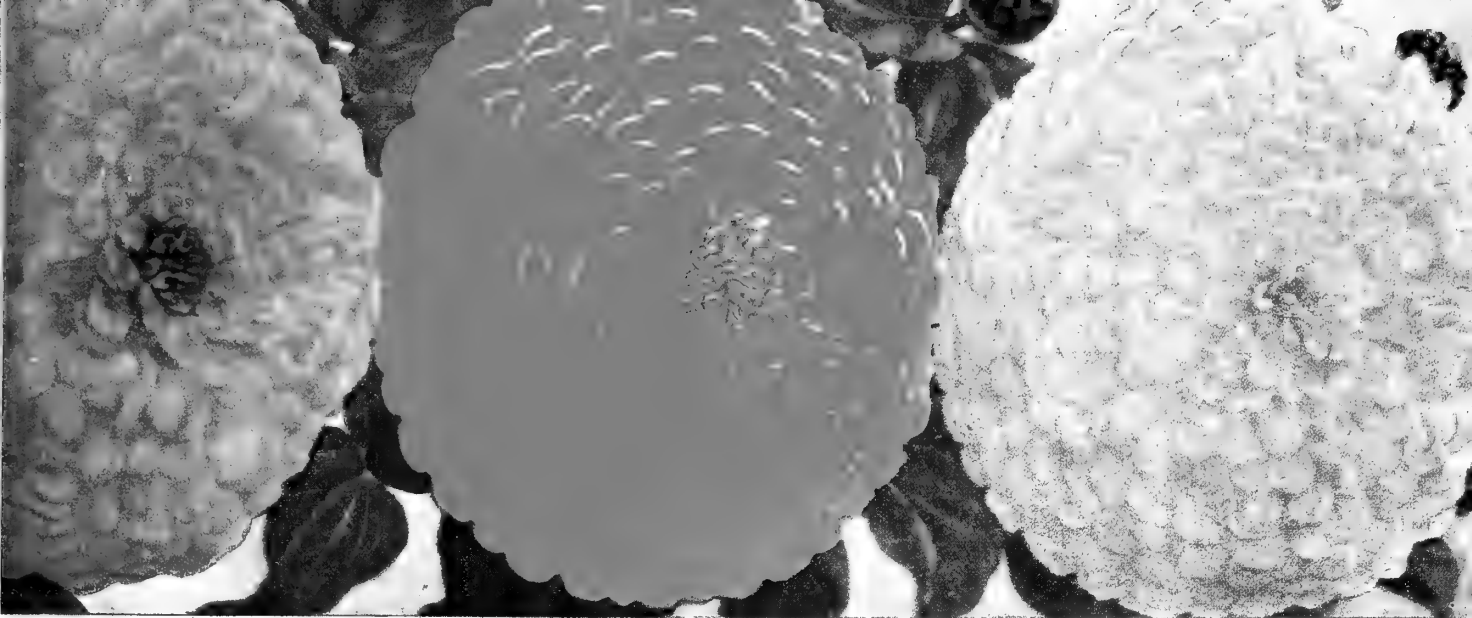
6145 **Giant Dahlia Flowered, Gold Medal**

Mixed. All the above and others, including a bewildering variety of delightful colors, all giant flowers. A very charming and delightful surprise will result if you plant this. Seeds germinate quickly in warm soil and flowers begin in a few weeks. Blossoms are borne on long stems, and their number is increased if they are cut before fading for use in the house. Thus a mass planting not only decorates the border, but the home as well. Oz., \$1.50; 1/4 oz., 50c; pkt. 15c

All Giant Zinnia Mixture

6170 **Vaughan's Special Mixture of All**

Giant Sorts. This includes all giant varieties listed on this page and many others. All colors are represented. Planted in a mass, it will produce a display of vivid colors; in the cutting garden it will provide cut flowers of giant size and a full range of colors from July until killing frosts come in the fall. Oz., \$2.00; 1/4 oz., 60c; pkt. 25c



ZINNIAS California Giants—(left) 6166 Rose Queen. Pkt., 15c. (center) 6164A Lemon Queen. Pkt., 15c. (right) 6163 Miss Wilmott. Pkt., 15c.

California Giants

They are larger than Colossal and a cross between them and the Dahlia Flowered types. They have smaller flat centers with more loosely placed petals. The petals are decidedly imbricated and the flower graceful. Grow 3 to 4 ft. tall.

- | | |
|---|--|
| 6161 Brightness. Abright, deep rose. | 6168 Isabellina. Cream yellow. |
| 6164 Cherry Queen. Beautiful orange rose. | 6147 Lavender Gem. A good clear lavender. |
| 6162A Crimson Queen. Best crimson. | 6164A Lemon Queen. Lemon orange. |
| 6161A Daffodil. Canary yellow. | 6163 Miss Wilmott. Soft pink. |
| 6162 Enchantress. Giant flowers of light rose pink, early. | 6151 Orange King. Rich, deep orange. |
| 6146 Grenadier. A very dark red. | 6153 Purity. A clean pure white. |
| 6169 Golden Queen. Golden yellow. | 6166 Rose Queen. Warm, deep rose. |
| | 6154 Salmon Queen. Salmon rose. |
| | 6165 Scarlet Queen. Glowing scarlet. |
| | 6149 Violet Queen. Deep purple |

Each of the above, pkt., 15c; any 4 pkts. for 50c.

ALL THE ABOVE AND OTHERS IN MIXTURE.

- 6155 California Giants, Vaughan's Special Mixture.** This is specially blended from a prepared formula to insure well balanced color harmony, and will make a gorgeous display in mass planting; in the cutting garden it insures an all-summer supply of flowers for bouquets. Oz., \$1 50; 1/4 oz., 50c; pkt., 15c.



5891 ZINNIA David Burpee, Pkt., 15c.



- 5893 Zinnia Vaughan's Special Mixture of all Types.** This is intended for the cutting garden, and includes all colors and types of Zinnias, large and small flowered, as well as Gaillardia flowered, Fantasy and other novelty strains. Most interesting combinations of form and color can be made in bowls and vases with flowers cut from a row of this mixture. Pkt., 25c.

Giants of New Race

- 5891 Zinnia David Burpee.** 4 ft. This is a distinct strain of giant flowers, which is full of surprises, all of a pleasant nature. While giant flowers of the shaggy Fantasy type are most numerous, other forms are frequent; and colors include cream, chamois, buff, rose, burnt-orange, terra cotta, apricot and some two-toned. All are interesting, some exciting; a "surprise garden mixture" all by itself. Plants grow vigorously and flowers have long, wiry stems. Pkt., 15c.
- 5895 Super Giants, Vaughan's Special Mixture.** A new strain remarkable not only for its great size, but for many colors not found elsewhere. Petals are fringed, some picoteed, with many two-toned combinations. Pkt., 25c.

- 5901 Super Crown of Gold Pastel Tints.** Strictly a mixture of pastel tints and contains a wide color range including soft yellow, old gold, light pink, apricot pink, various salmon shades, peach, and buff, lively cerise salmon as well as pure white and cream. All the flowers carry the deep golden yellow base of the Crown of Gold types and the individual color at the tip. Midway between Dahlia Flowered and California Giants as to type. Pkt., 25c.

Perennial Flower Seeds and Plants



7073 X **ANCHUSA** *Myosotidiflora*. Pkt., 35c.

Anchusa (African Forget-Me-Not) ① □
Culture: B, D or E, Page 58

Anchusas provide some of the few really blue flowers of our garden. They do best in a deep, well drained soil, in a sunny position. All are excellent bee plants.

7070 Italica, Dropmore Variety. 5 ft. June-July. Gentian flowers. Pkt., 15c. Plants each 60c; 3 for \$1.50; doz., \$4.75.

7069 —Lissadell. 6 ft. Large, Gentian-blue. 25c.

7071 —Feltham Pride. Bright blue. Pkt., 25c.

7073 X Myosotidiflora. 1 ft. April-May. A lovely perennial which blossoms with the late Tulips, forming a mound of attractive foliage almost hidden by pale blue Forget-Me-Not blossoms held above the foliage on straight stems. Germination is slow and fall sowing in an open seed bed gets good results. Pkt., 35c.



7010 **ACHILLEA** *The Pearl*. Pkt., 15c.

Achillea (*Yarrow*) ①

Culture: D or E, Page 58

Achilleas grow readily from seed in sunny, well-drained positions. They are fine border flowers and are excellent for cutting.

7008 Eupatorium Filipendula, Parker's Variety. 3 to 5 ft. June-Sept. Clear yellow flower-heads. May be dried for winter bouquets. Pkt., 15c.

7010 The Pearl. 2 ft. June to August. Pure white. double flowers, fine for cutting. Pkt., 15c.

Culture: B, D or E, Page 58

7061 AMSONIA Tabernaemontana (Blue Star of Texas). ① 2-3 ft. Free flowering perennial, long stems, with willow-like foliage and lovely heads of light blue flowers in panicles. Pkt., 25c.

Add Postage for Plant Orders

All Plants Shipped Direct from
Kalamazoo, Mich.

Prices on this page do not include postage. For 12 plants or less include in your remittance postage in the following amounts: Single plants, 12c; 3 plants 16c; 6 plants, 20c; 12 plants, 25c. Shipments larger than 12 plants will be made by express collect, unless otherwise instructed.

Check your order carefully before mailing. It is almost impossible to make changes on orders after they have been placed in process of filling.

Plants by Express

We recommend this mode of transit where quantities are 12 plants or over. We pack carefully.

No C. O. D. Shipments



ASTER *Harrington's Pink*. Plants, each, 60c; 3 for \$1.50; doz., \$4.75.

New Hardy Asters ①

Culture: B, D or E, Page 58

If you have ever seen the glorious effects of a mass planting of these hardy perennial Asters, you will not fail to make a planting of them in your garden. They are among the showiest of our late flowering hardy plants, giving a wealth of bloom in late summer and fall. For best effect they should be planted in groups.

Beechwood Challenger. 2½ ft. Darkest red of all.

Harrington's Pink. First true pink hardy Aster. Large flowers of luminous true pink, on bushy plant.

Royal Blue. A deep blue. Produces myriads of large, showy flowers.

White Lady. Large, graceful white flowers in profusion.

All above 60c each; 3 for \$1.50; Doz. \$4.75.

COLLECTION. One of each of the above four varieties, \$2.00.

DWARF ALPINES

7226 Alpinus Goliath. Indispensable for the rockery or edge of hardy borders; 6 to 10 inches high, and bears large, showy, bluish purple flowers in May and June. Plant in full sun. Pkt., 25c.

7224 Amellus Hybridus. New named varieties, finest mixed. Pkt., 25c.

7225 Perennial, Large-Flowering Mixed. 3-5 ft. Sept.-Oct. Various shades of blue. Pkt., 25c.

It is fascinating to grow your own perennials from seed. We recommend sowing perennial seeds in spring. Seed germinates better in the cool weather than in the heat of mid-summer, and the long growing season produces larger plants that winter over more successfully. The majority of these perennials bloom the second year from seed, although some, like *Coreopsis* and *Gaillardia*, if sown early, bloom the first year. Plants can be raised in beds and transplanted, or the seed may be planted directly in your perennial garden. The great charm of perennials lies in their permanence; once established they are a constant source of pleasure. Items preceded by X are rock garden subjects.



7195 **ARABIS** *Alpina Rock Cress*. Pkt., 10c.

Plants, each 50c; 3 for \$1.25; doz., \$4.75.

Arabis (*Rock Cress*) ①

Culture: D or E, Page 58

Spreading dwarf, spring-flowering plants. They do well in any soil, but need plenty of sun.

7195 X Alpina. 1 ft. April. Pure white. Pkt., 10c.

Plants, 50c each; 3 for \$1.25; doz., \$4.75.

7197 X—Rosea. 1 ft. May. Compact rosettes of foliage and pink flowers. Pkt., 35c.

Aconitum (*Monkshood*) ①

Culture: C, Page 58

Aconitums need rich, acid soil and prefer shade. Seed may be sown in the fall, as it germinates slowly. They should not be moved when once established, and require a mulch in winter. The roots are poisonous.

7026 Barker's Variety. Flowers are amethyst blue, considerably darker than Wilsoni. Pkt., 25c.

7020 Napellus. 2½ ft. July-August. Fine rich blue flowers. Per pkt., 25c.

7025 Wilsoni. 6-7 ft. Sept.-Oct. Tall, autumn flowering, mauve, fine for cutting. Pkt., 15c.

Agrostemma ①

Culture: E, D, or C, Page 58

7048 X Coronaria Atro-Sanguinea. 1 to 2 ft. June-Sept. Attractive free flowering producing deep blood red flowers on long, slender stems like a single pink; blooms the first season; fine for cutting. Silvery foliage. Pkt., 10c.

Anemone (*Windflower*) ①

Culture: B, C, D or E, Page 58

This interesting family furnishes a remarkable variety of showy garden subjects. Seeds germinate slowly. Flower in the spring.

7080 X Coronaria St. Brigid's Strain. May-June. Double and single mixed. 12 in. A beautiful selection in a wonderful array of colors. Pkt., 20c.

7090 X Pulsatilla (Pasque Flower). 1 ft. Deep blue, bell-shaped flowers in April are followed by tasseled seed-pods, decorative in themselves. The seeds self-sow, producing drifts of blue in succeeding years. Easy to transplant, early in spring right after blooming or late in fall. Good drainage is necessary, avoid over rich soil, add lime and sharp sand. Pkt., 25c. Plants, each 75c; 3 for \$2.00; Doz., \$5.75.

Anthemis (*Marguerite*) ①

Culture: B, D or E, Page 58

Free-flowering perennials with attractive cut foliage and large Daisy-like flowers. Need full sun.

7110 Kelwayi. 2 ft. Daisy-like lemon-yellow blossoms, all summer. Excellent for cutting. Pkt., 10c.

Artemisia

Silver King. 3 ft. Its striking gray stems and leaves and rapid branching habit stamp it as unique among foliage plants for its slender ghostlike appearance. Plants, each 60c; 3 for \$1.50; doz., \$4.75.



7310 **CAMPANULA** (Canterbury Bells)
Single Mixed. Pkt., 10c.

Alyssum (Madwort) ①

Culture: B, D or E, Page 58

Showy free flowering spring-blooming plants, valuable for front row in border or rock garden.

7954 **X Argenteum**. 1 ft. Dwarf, yellow flowers, leaves silvery underneath. Pkt., 10c.

7055 **X Saxatile Compactum** (Basket of Gold). 9 in. Almost as soon as winter is over *Alyssum Saxatile Compactum* becomes a mass of yellow gold; a fine companion to spring bulb flowers. Pkt., 15c. Plants, each, 60c; 3 for \$1.50; doz., \$4.75.

7056 **X Compactum Sulphureum**. Lovely pale lemon colored flowers. Very effective with lavender or pink Tulips. Pkt., 15c.

Aquilegia.—See Columbine.

Armeria (Thrift, Sea Pink) ①

Culture: B, D or E, Page 58

Dwarf-growing perennials with grassy leaves and a tufted habit of growth. The flowers are borne in globular heads during May and July.

7205 **X Alpina**. 3 in. July. Deep rose. Pkt., 10c.

7211 **X Formosa Large Flowering Hybrida**. 24 in. Shades of pink. Blooms early summer. Pkt., 25c.

7206 **Glory of Holland Giant Pink**. Improved variety bearing clear, deep pink flowers the size of a silver dollar on straight stems 24-inch high in large profusion all summer. Fine for cutting. Pkt., 25c.

Asclepias (Butterfly Weed)

Culture: B, D or E, Page 58

7220 **Tuberosa**. 2 ft. One of the showiest of our native perennials, producing from July until frost brilliant orange flowers with purplish stems and hairy leaves. Seed pods if gathered just as they begin to open and brought into the house and placed in a vase, soon open and develop into an attractive everlasting. Pkt., 25c.

Aubrietia ①

Culture: B, D or E, Page 58

One of the daintiest and most delicately beautiful of all dwarf creeping plants for carpeting beds or rockeries, forming brilliant sheets of blue, crimson or rose for many weeks. A gem for planting in crevices of rocks or wall, forming a cataract of color. 6 in.

7231 **Eyrii**. Fine large blue. Pkt., 25c.

7232 **X Graeca**. Light blue, dwarf. Pkt., 25c.

7230 **X Large-Flowered Hybrids, Mixed**. A wonderfully fine strain, good range of colors. Pkt., 25c.

7232A **New Giant Flowered. Monarch Strain**. All full petaled types equal to the best named varieties. Vastly superior in size and color range to any other strain raised from seed. Pkt., 35c.

7234 **Whitewell Gem**. Glowing rosy purple with slight tinge of blue. Pkt., 25c.

BABY'S BREATH.—See *Gypsophila Paniculata*.

Baptisia ①

Culture: B, C, D or E, Page 58

7235 **Australis** (False Indigo). Forms a spreading bush 3 to 4 ft. high with dark bluish green leaves and Lupin-like blue flowers in June and July. Pkt., 10c.

Campanulas

Culture: B, D or E, Page 58

This brilliant family includes the biennials, as well as a number of true perennials, varying in height from dainty rock garden subjects 8 inches tall to the stately *Pyramidalis* and *Persicifolia* types which reach 6 feet.

Canterbury Bells *

The Canterbury Bells are biennials, that is, from seed sown one year, the plants will bloom the following year, and the plant then dies. To keep up a yearly display they should be sown annually.

DOUBLE

7320 Blue.
7325 Pink.
7315 White.
7330 Mixed.

SINGLE

7300 Blue.
7301 Lilac.
7305 Pink.
7295 White.
7310 Mixed.

Each of the above, pkt., 10c.

Plants, mixed shades each, 50c; 3 for \$1.25; doz., \$4.25.

CUP AND SAUCER

7270 **Calycanthemum Mixed**. 2 ft. June-Aug.
7285 —Blue. 7280 —Pink.
7284 —Lilac. 7275 —White.

Each of the above, pkt., 10c.

Perennial Campanulas ①

Seed sown one year, plants will bloom the next and for several years following, increasing in size each year.

7260 **X Carpatica** (Harebell) Blue. 9 in. June to Aug. Forms tufts of neat foliage above which are borne cup-shaped, upright blooms of a glistening light violet-blue. Likes partial shade. Pkt., 10c. Plants, 60c each; 3 for \$1.50; Doz. \$4.75.

7266 **X Cullinmore**. A lovely hybrid form of dwarf-growing species, more prolific than *Carpatica*. Various shades of blue flowers all summer. For edging or rock garden. Pkt., 25c.

7331 **X Garganica**. Beautiful star-shaped sky-blue flowers fairly cover the trailing plants. Pkt., 15c.

7335 **Lactiflora Coerulea**. Broad-leaved, 2½-3 ft. July. Light blue. Pkt., 15c.

7344 **Persicifolia** (Peach Bells). Blue. 2-3 ft. June-July. Fine border plant. Pkt., 25c.

7345 —Alba. White. Pkt., 25c.

7346 —Telham Beauty. 4 ft. It produces on long stems very large globular open flowers of a lovely china-blue with silvery shading. Pkt., 25c.

7347 —Wedgwood. Large flowers of deep violet blue, good in full sun or partial shade. Pkt., 35c.

7350 —Mixed. Blue and white. Pkt., 25c.

7367 **Rapunculoides**. Spikes of loosely swung bell-blossoms. Variable coloring from soft blue to deep violet. A row of it becomes a hedge of bloom. Pkt., 20c.

7355 **Pyramidalis** (Chimney Bellflower). Blue. 5-6 ft. August-Sept. Pkt., 10c.

7360 —Alba. White. Pkt., 15c.

7366 **X Rotundifolia** (Blue Bells of Scotland). 6-12 in. Matted foliage, slender, branching stems, covered with dainty frail blue flowers. Blooms generously in July and again in fall. Pkt., 15c.

7370 **Vaughan's Special Mixture of Campanulas**. A grand assortment of all varieties. Fine for cut flowers. Pkt., 25c.

Blackberry Lily ①

Culture: B, D or E, Page 58

7243 3 to 4 ft. A perennial of easy culture in rich sandy loam in a sunny spot. Flowers orange spotted red. Seed stalks may be used in winter bouquets, are clusters of shining black seeds. Pkt., 10c

7241 **Avalon Hybrids**. This new strain of Blackberry Lily, is the result of careful hybridization and most interesting and unexpected combinations of form and color characters may appear. The flowers are followed by the showy "blackberry" fruiting clusters. Thriving in full sun or tolerating some shade. Pkt., 25c.

Boltonia (False Chamomile) ①

Culture: B, D or E, Page 58

They are among the relatively few fall flowering perennials, and are effective as background plants. They bear small star-flowers in large clusters.

7250 **Latisquama**. 4-5 ft. July-Oct. Delicate pink. Pkt., 25c.

CANDYTUFT, see *Iberis*.



7401 **CARNATION Grenadin Mixed**. Pkt., 25c
Plants, Each, 50c; 3 for \$1.25; Doz., \$4.25.

Garden Carnations ①

Culture: B, D or E, Page 58

GRENADIN

A valuable bedding variety with double flowers, blooming first year from seed if sown early. 20 in.

Soon after they are through blooming the tops should be cut. The Grenadin type will branch and will carry on through another year. If this operation is not done, in most cases the Grenadin type is only a biennial.

7390 **King of the Blacks**. Darkest red, very fine. Pkt., 25c.

7398 **Golden Sun**. Early flowering, very double, large clear yellow flowers. Pkt., 35c.

7395 **Red**. ½ high. Pkt., 25c. 7400 **White**. 25c.

7385 **Triumph, Rose**. 25c.

7399 **White Gold**. Soft yellow new. Pkt., 25c.

7401 **Mixed**. Pkt., 25c. Plants, each, 50c; 3 for \$1.25; doz., \$4.25.



CARNATION Crimson King. Plants, each, 60c; 3 for \$1.50; doz., \$4.75.

Crimson King. 2 ft. Closely resembling a greenhouse Carnation in size and habit of growth. Large, fragrant, bright crimson blooms of velvety appearance borne in profusion in June and continuing until frost. Plants, each, 60c; 3 for \$1.50; doz., \$4.75.

VIENNA DWARF

They grow evenly about 14 inches tall, are extra double and very large-flowering. The color display is magnificent. Flower at least 14 days earlier than others.

7415 **X Mixed**. Pkt., 25c.

7256 **X CALLIRHOE Involucrata** ① (Poppy Mallow). Crimson. Pkt., 15c. Plants, 50c each; 3 for 1.25; Doz. \$4.25.



7150 **AQUILEGIA** Mrs. Scott Elliott's Strain Long-Spurred Hybrids. Pkt., 25c. Plants, each, 50c.; 3 for \$1.25; doz., \$4.25.

Columbines ①

Culture: B, C, D or E, Page 58

ONE of the best-known and best-loved perennials. Dwarf varieties for the rock garden, tall varieties for the border and for cutting. They are easily grown from seed, prefer light shade, and thrive in any fairly rich soil. These plants covered with dancing, quivering blossoms, add grace and airiness to any garden.

7151 **Dobbie's Imperial Hybrids.** A strain with large, long-spurred flowers in strong, brilliant tones of all colors. Pkt., 25c.

7150 **Mrs. Scott Elliott's Strain of Long-Spurred Hybrids.** The blooms are of large size and the spurs very long. The colors range through shades of lavenders, mauves, blues, purples, whites, creams, yellows, pinks, reds, etc., with soft pastel tones dominating. Pkt., 25c. Plants, ea., 50c.; 3 for \$1.25; doz., \$4.25.

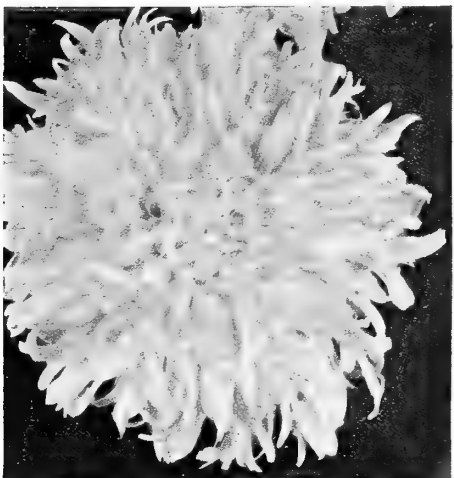
7119 **Alpina.** Powder blue. 2 ft. April-July. Pkt., 15c.

7120 **Canadensis (American Columbine).** 1 to 2 ft. May-July. Scarlet and orange. Pkt., 10c.

7125 **Chrysantha.** 3 to 4 ft. May-August. Yellow, long spurred. Pkt., 15c.

7126 **Silver Queen.** 3 ft. Long-spurred silvery white flowers. Pkt., 25c.

7131 **Clematiflora. Mixed.** Spurless Columbine with beautiful open flowers like Clematis. Contains all lovely pastel shades. Pkt., 25c.



7464 **GIANT DOUBLE SHASTA** Daisy. G. Marconi. Pkt., 50c. Plants, each, 60c.; 3 for \$1.50; doz., \$4.75.

COLUMBINES—Continued

7140 **Coerulea (Rocky Mountain Columbine).** 1 to 2 ft. April-July. One of the most beautiful of native flowers. Sepals, deep blue; petals, white. Pkt., 10c.

7141 **Mrs. Nicholls.** This is a glorified Rocky Mountain Columbine with larger flowers, long spurs, and strong habit. Pkt., 50c.

7145 **Rosea (Rose Queen).** 2½ ft. Light to dark rose, white center. Pkt., 25c.

7132 **Blue Heaven.** This variant of the Rocky Mountain Columbine, is of a lovely deep lavender throughout, and has several extra petals but has completely lost its spurs. It resembles a double large flowered Clematis on erect stem with a center of bright yellow stamens. It requires drainage and its color is loveliest in semi-shade. Pkt., \$1.00.

7143 **Longissima.** A beautiful American species having 4 inch spurs on flowers of a delicate pale yellow. One of the most attractive. Pkt., 50c.

7144 **Longissima Hybrids.** A new race obtained by crossing Mrs. Scott Elliott's with Longissima. All the beautiful hues, in red, blue, white, rose, etc., of the former, long spurs and broader petals. They are hardier and more lasting. Pkt., 50c.

7158 **Long-Spurred Blue.** Splendid selection from light to dark blue. Pkt., 35c.

7157 **Long-Spurred Copper Queen.** Lovely deep copper with long spurs of deeper hue, while the inside of the corolla is buff. Variable in shade. Pkt., 50c.

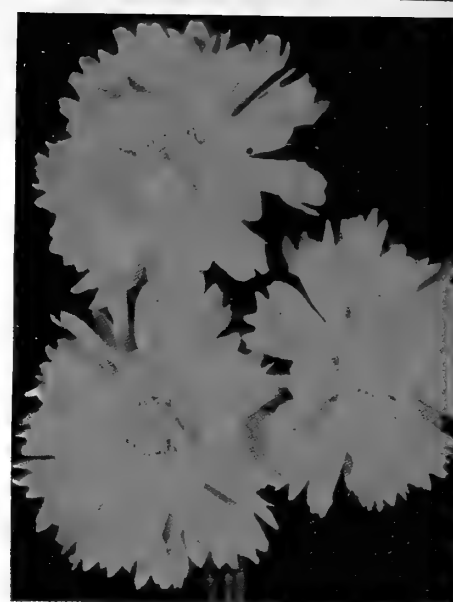
7159 **Long-Spurred Orange and Scarlet.** Many unusual tones. Pkt., 35c.

7190 **Aquilegia Vaughan's Special Mixture.** Includes a complete collection including the long-spurred, and the non-spurred types, the tall and dwarf sorts. Pkt., 25c.



7156 **COLUMBINE** Long-Spurred Crimson Star Hybrids. Pkt., 25c. Plants, each, 60c.; 3 for \$1.50; doz., \$4.75.

7156 **Long-Spurred Crimson Star Hybrids.** The brightest red Columbine, long spurs and outer petals rich crimson, center petals white; about 10% will be other interesting bicolors. Three-inch flowers on 2-foot stems. Pkt., 25c. Plants, each, 60c.; 3 for \$1.50; doz., \$4.75.



7493 **COREOPSIS** Double Sunburst, Pkt., 25c. Plants, each, 50c.; 3 for \$1.25; doz., \$4.75.

Coreopsis ①

Culture: B, D or E, Page 58

A useful and attractive perennial, both for border and cut flowers. They are of easy culture, and flower in profusion throughout the summer.

7495 **Lanceolata Grandiflora.** 2 ft. June-October. Large orange-yellow flowers on long graceful stems. Will flower the first year if sown early. Pkt., 10c.

7494 **Mayfield Giants.** It produces a taller and more vigorous plant with longer and firmer stems and larger individual blooms of which the ray petals are broader. Pkt., 20c.

7493 **Double Sunburst.** The flowers are double, 1½ to 2 inches across, excellent for cutting, as the flowers are fine keepers and the plants easy to grow. Comes about 80% double. Pkt., 25c. Plants, each, 50c.; 3 for \$1.25; doz., \$4.25.

Centaurea ① (Hardheads, Knapweed)

Culture: B, D or E, Page 58

The flower-heads are like showy, ragged Thistle blooms.

7426 **Dealbata Rose Delight. (Persian Cornflower).** Rounded, branching plants with pinnate foliage. Silvery below, large double flowers lilac rose, edged with pink lace. Pkt., 25c.

7425 **Macrocephala.** 3 ft. During July and Aug., its stiff upright stalks are topped with radiant yellow Thistle-like blooms. Flowers often 4 in. across. Fine for background. Pkt., 10c.

7430 **Montana Blue.** 2 ft. June-Sept. Numerous large deep blue flowers somewhat resembling the annual Cornflower. Pkt., 10c.

7428 **Hardy Perennial Mixed.** A mixture of thirty hardy Centaureas. A real treat is in store for those who plant this mixture, as it will be a means of securing plants of unknown and unlisted sorts of various forms and colors. Pkt., 15c.

7435 **CERASTIUM Tomentosum ① (Snow in Summer).** 4 in. June-July. A low, creeping plant bearing a profusion of white flowers. Pkt., 15c.

All the Newer Shasta Daisies ①

Culture: B, D or E, Page 58

The name Shasta is now applied not to a single variety but to a class of hardy Daisies, bearing giant flowers, all splendid border subjects and easily grown from seed.

7500 **Alaska.** 2-2½ feet. Splendid for cutting. Pkt., 10c. Plants, ea., 50c.; 3 for \$1.25; doz., \$4.25.

7464 **Diener's New Giant Double Ever-Flowering Shasta Daisy G. Marconi.** The largest Shasta Daisy today, the flowers are around 7 inches in diameter and stems 2½ to 3 ft. long. Pkt., 50c. Plants, each, 60c.; 3 for \$1.50; doz., \$4.75.

7504 **Giant Double Shasta Daisy.** While first year flowers of this perennial have many singles, in the second year they are almost 100% double, with flowers up to 6 inches, and a long flowering season. Pkt., 35c.

7462 **Maximum Conqueror.** June. 2½ ft. Large, pure white flowers, five inches in diameter, on long stiff stems, in profusion. Pkt., 15c.

7460 **King Edward VII.** 2½ feet. Very large flowers on stout stems. Pkt., 10c.

Esther Reed. Snow-white flowers, completely double and everblooming in habit. Stiff stems, excellent for border and cutting. Plants, each, 65c.; 3 for \$1.75; doz., \$5.25.

Mt. Shasta. Beautiful crested Hardy Shasta Daisy. Huge flowers on long stout stems. They will excite more admiration and comment than any other plant in your garden. Plants, each, 75c.; 3 for \$2.00; doz., for \$5.75.

Bocconia ①

7240 **Cordata (Plume Poppy).** 5 ft. A handsome border plant, having large lobed heart-shaped leaves with silvery under surface and flower plumes of a pretty cream color. Pkt., 10c.

Cheiranthus ①

Culture: B, D or E, Page 58

A hardy perennial which blossoms the first year from seed. Sow in late summer, autumn or spring.

1611 **Linifolius.** Lilac, 18 in. Pkt., 10c.

Hardy Delphiniums ①

Culture: B, D or E, Page 58

Modern hybrid Delphiniums have become the dominant flowers in the perennial border of late June. In deep, rich soil, they grow six feet tall or more, with huge spikes of large flowers. Lower growing types are also valuable for both border and cut flower use—the Chinese and Butterfly types are fine for bedding.

NOTE—A teaspoonful of sugar in the water will delay shattering of cut Delphiniums two or three days. To aid the Delphinium plants to live relatively long is to see that the plants are well watered after blooming.

Pacific Giant Hybrids

The new strain produces plants that are 60 to 65 percent mildew resistant. The flowers are of immense size, tightly set on straight stems that are strong and whippy. The flowers do not shatter.

7559B Blue Bird. A clear medium blue with white bee with high tall spikes. Pkt., about 200 seeds \$1.00; pkt., about 100 seeds 50c.

7563 Black Knight. Large flowers of varying dark violet shade. Pkt., about 200 seeds, \$1.00; pkt., about 100 seeds, 50c.

7559A Blue Jay. From medium to dark blue with dark bee. Pkt., about 200 seeds, \$1.00; pkt., about 100 seeds, 50c.

7563A Cameliard Series. This is a pure lavender self with white bee. Pkt., about 200 seeds, \$1.00; pkt., about 100 seeds, 50c.

7560 Galahad. Clear white, highly mildew resistant. Pkt., 200 seeds, \$1.00; pkt., 100 seeds, 50c.

7561 King Arthur. Royal violet, large white bee. Pkt., 200 seeds, 75c; pkt., 100 seeds, 40c.

7561A Guinevere. Light pink lavender with white bee. Pkt., about 200 seeds, 75c; pkt., about 100 seeds, 40c.

7562 Summer Skies. Light blue with white bee. Pkt., 200 seeds, 75c; pkt., about 100 seeds, 40c.

7562A Clear White. Of glistening texture. Pkt., about 200 seeds, 75c; pkt., about 100 seeds, 40c.

7559 Round Table Series. As the name implies this represents all of the color combinations of the above Knights and their Ladies. Pkt., about 200 seeds, 75c; pkt., about 100 seeds, 40c.

STANDARD COLORS OF PACIFIC GIANTS

7556 Dark Blue Shades. Pkt., 50c.

7557 Light Blue Shades. Pkt., 50c.

7558 Lavender Pastel. Color range from lavender, generally of two tone combinations, brown or black bees. Pkt., 50c.

7558A Mixed. The three varieties of the above standard sorts. Pkt., 50c.

7569 Wrexham Hollyhock-Flowered

Strain, Mixed. Giant-flowered strain of superior quality. Flowers in blue, white and pink combinations, many of them bicolor 1½ to 2 inches in diameter, many double.

Mixed Color Seed, Pkt., 50c. PLANTS, each, 50c; 3 for \$1.25; doz., \$4.25.

7571 DELPHINIUM Vaughan's Special

Mixture. This contains the Elatum varieties, both double and single, the Butterfly, Chinese and all the other various kinds. Pkt., 35c.



7715 SWEET WILLIAM Vaughan's Special Mixture of all listed and others. Pkt., 25c.

Illustrated on the right.

- 1 BLUE JAY 3 GALAHAD
2 GUINEVERE 4 SUMMER SKIES
5 KING ARTHUR,

7566 Mixture of the Five Varieties above. Pkt. about 200 seeds \$1.00; pkt. about 100 seeds 50c. Strong 1-yr. plants of Black Knight, Blue Jay, Galahad, Guinevere, King Arthur, Summer Skies. Each, 75c; 3 for \$1.95; doz. \$5.75.

Other Hybrids

7550 Belladonna Improved Cliveden Beauty. 2 ft. June-July. Exquisite turquoise blue. These and Thermopsis Carolina (Yellow) are charming when combined in bouquets. Pkt., 20c. Plants, each, 50c; 3 for \$1.25; doz., \$4.25.

7552 Bellamosum Improved. Large deep blue flowers, uniform in color, with a white bee. Blooms 2½ inches across. Pkt., 25c. Plants, each 50c; 3 for \$1.25; Doz. \$4.25.

7564 Blackmore and Langdon Strain. A famous English strain. All the clear shades of blue, with bees of contrasting colors. Pkt., 35c.

7547 Cardinale. "Scarlet Larkspur," a native California species with long spikes of scarlet flowers, seed germinates slowly. 2-3 ft. Pkt., 25c.

7523 Chinese Blue Mirror. See Novelty Pages.

7555 Indigo (True Blue). 3 ft. Pure indigo-blue, comes true from seed. Pkt. 35c.

Dianthus Barbatus ①

Single Sweet William 18-24 in.

Culture: B, D or E, Page 58

In June, when summer flowers are not yet in bloom and there is little in the garden available for cut flowers, the Sweet William is the most welcome.

7670 Atro-Sanguineus. Blood-red. Pkt., 10c.

7659 Homeland. Homeland is dark red with large sharply defined, clear white center. Pkt., 35c.

7655 Nigrescens. Dark foliage and flower. Pkt., 10c.

7660 Newport Pink. Salmon-pink. Pkt., 10c. Plants, each 50c; 3 for \$1.25; Doz., \$4.25.

7661 Purple Beauty. Bright deep purple. Pkt., 10c.

7635 Scarlet Beauty. Vivid orange or salmon scarlet. Pkt., 15c. Plants, each 50c; 3 for \$1.25; Doz., \$4.25.

7685 Single Giant-Flowered Mixed. Pkt., 10c.

Double Varieties

Seedlings of all double Sweet William produce about 40% of single blooming plants.

7705 Mixed. Pkt., 10c.

7710 Giant Double Mixed. A decided improvement. The plants are of robust, bushy habit, producing numerous stems surmounted by immense umbels of full, double flowers, many over one in diameter. The colors are extremely varied. Pkt., 20c.

7715 Vaughan's Special Mixture of Sweet William of all listed and others. Pkt., 25c. Plants, each 45c; 3 for \$1.15; Doz., \$4.00.

EVERBLOOMING SWEET WILLIAM

Latifolius Atrococcineus Flora Plena. A beautiful summer blooming variety as it bears brilliant fiery crimson blooms all through the season. Very hardy and a sturdy grower. Plants, each, 60c; 3 for \$1.50; doz., \$4.75.

Dictamnus (Gas Plant) ①

Culture: B or C, Page 58

This bushy perennial with its attractive flower spikes blooms with the tall bearded Iris. While its seeds germinate slowly, and do best when sown in the fall, once the plant is established it should not be moved.

7720 Fraxinella. 3 ft. May-June. Large spikes of deep pink purple-veined flowers. Pkt., 15c. Plants, each, 60c; 3 for \$1.50; doz., \$4.75.

7725 —Albus. 3 ft. May-June. Spikes of attractive pure white sweet-scented flowers. Pkt., 15c.





7625 **DIANTHUS** *Plumarius* Vaughan's Special Mixed. Pkt., 25c. Plants, 45c; 3 for \$1.15; Doz., \$3.75.



DICENTRA. *Spectabilis*. Plants, Each, \$1.00; 3 for \$2.65; Doz. \$7.25.



7775 **DIGITALIS** Vaughan's Special Mixture. Pkt., 15c.

Hardy Pinks (*Dianthus*)

Culture: B, D or E, Page 58

In the rockery and in the border the *Dianthus* family is of value. Most of them grow easily from seed, thrive in ordinary soil which must contain some lime, and should be in a well-drained situation.

7576X Allwoodi Alpinus. 6 in. Flower first year from seed. It has single and semi-double flowers in all *Dianthus* colors. A gem for rock gardens. Pkt., 50c.

7575 Allwoodi Mixed. The flowers are about 75 per cent double and all colors except yellow. The single flowers have the advantage of making large clusters. It is exceptionally hardy and flowers from early spring until fall. Pkt., 25c.

7580X Caesius (Cliff Pink). 1 ft. Flowers delicate rose pink, fragrant. Pkt., 25c.

7580A Delight. Beautiful single flowers, 1 in. or more across, in a bewildering range of colors from lightest pink through salmon, red to deepest purple, many eyed like a Sweet William, while others have a definite contrasting light or dark center. Pkt., 25c.

7582X Deltoides Brilliant (Maiden Pink). 8 in. Delicate pink blossom feathery foliage. Pkt., 25c.

7588A Erecta Red. Crimson flowers in short erect spikes. Pkt., 25c.

7631 Loveliness. The flowers have large lacinated petals of a most exquisite mauve-pink, with delightful fragrance. Pkt. 25c.

7587 Best Rock Garden Varieties, Mixed. Rock gardens need the low growing *Dianthus* to brighten spots and fill in crevices. Pkt., 25c.

7592 Winteri. The flowers are of pure colors; habit compact; flowers first year from seed; deliciously scented. Pkt., 50c.

PLUMARIUS (Clove or Grass Pinks)

Plumarius is the old-fashioned, fragrant garden Pink. Fine for perennial border or rockwork.

7605 Dwarf Early Flowering Mixed. A colorful mixture, fine for Rock gardens. 1 ft. Pkt., 25c.

7585 Highland Hybrids. Tall, strong stemmed pinks in varied colors, beautifully marked and zoned. Pkt., 35c.

7590XCyclops Red Hybrids (Clove Pink). 1 ft. An exquisite mixture of rose and red varieties; fragrant. Pkt., 15c.

7596 Ipswich Crimson. A grand single variety deep crimson flowers. Pkt., 25c.

7595 Little Jock Hybrids. 6-8 in. Compact plants produce a multitude of fringed flowers, an inch across, in pink, rose and white, 50 per cent double. Pkt., 25c.

7620XSemperflorans Double Mixed. Fine for cutting. Pkt., 15c.

7632 Scoticus Double Special Strain. Self colors of pink, rose, salmon and white and the same in combination with a bright crimson zone. Blooms 1½ to 2 inches. Free flowering. Pkt., 35c.

7609XSpring Beauty. Double giant-flowered Grass Pinks, Carnation-like in form and size and with a beautiful range of color. Very fragrant. Pkt., 25c.

7615XSingle Mixed. Delicately fringed. Pkt., 10c.

7625XVaughan's Special Mixture. A grand selection of *Clove Pinks* of the above *Plumarius* type and others. Pkt., 25c. Plants, each 45c; 3 for \$1.15; doz., \$3.75.

7788 ECHINOPS Ritro (Globe Thistle). ① 3-4 ft. Steel-blue flower-heads, round like a ball, covered with needle-like spines. Pkt., 10c.

Dicentra (*Dielytra*) ① (Bleeding Heart or Seal Flower)

Culture: B or C, Page 58

7718 Eximia (Plumy Bleeding Heart). Dwarf; reddish purple. May and June. 12 in. Pkt., 25c. **Spectabilis**. Its long racemes of graceful heart-shaped pink flowers are always attractive. Is perfectly at home in any part of the hardy border, especially in the shade. Plants, each, \$1.00; 3 for \$2.65; doz. \$7.25.

Doronicum Leopard's Bane ①

Culture: B, D or E, Page 58

7780 Caucasicum Magnificum. Very showy yellow-flowered perennial, invaluable for cutting. They flower chiefly in spring. They have bright green, heart-shaped leaves which disappear during July and August when the plant is dormant.

Thrive well in heavy soils and succeed in sunny or partially shaded borders. Remove the flower heads directly after they fade, then a second crop of flowers will follow. Water freely in dry weather. Lovely with pale lavender Tulips. Seed germinates slowly. Pkt., 35c.

Echinacea (Coneflower) ①

Culture: B, D or E, Page 58

Stout perennials for the border or wild garden. Flowers in July-August, good cut flowers.

7785 Purpurea (Purple Coneflower). 3-4 ft. A handsome border plant; purple flowers. Pkt., 15c.

Gypsophila (Baby's Breath) ①

Culture: A, B, D or E, Page 58

Established plants, which should never be disturbed, produce cloud-like masses of small flowers in the border. They are fine for cutting and dry perfectly for winter bouquets.

7866 Oldhamiana. 3 ft. The light little buds are first almost white, but open a lively shade of pink that darken as the flowers mature. Pkt., 25c.

7867 Pacifica. 4 ft. Withstands both severe winter and extreme heat. The seedlings form dense bushes with myriads of tiny pink blossoms. Pkt., 25c. Plants, each 65c; 3 for \$1.75; Doz., \$5.50.

Paniculata Bristol Fairy (Double Baby's

Breath). Early double pure white large-flowering perennial *Baby's Breath*. Produces a second crop of spikes. Plants, each, 75c; 3 for \$2.00; doz., \$5.75.

7860 Paniculata Double Snow White. A great improvement on the single-flowered type and more lasting. 2-3 ft. July-August. Pkt., 25c. Plants, each 75c; 3 for \$2.00; Doz., \$5.75.

7865 —(Baby's Breath). 2-3 ft. July-Aug. Small single flowers on branched stems, so thick as to give the plant a white lace-like effect. Pkt., 10c.

7863XRepens Rosea. 6 in. Attractive dwarf pink. Pkt., 15c.

7862XRepens Dwarf White. Pkt., 15c.

7791XEDLEWEISS Leontopodium Alpinum. ① 4-12 in. June-July. The flowers white and star-shaped. Both leaves and flowers are woolly. Pkt., 25c.

Digitalis (Foxgloves) ①

Culture: B, D or E, Page 58

These are biennials and should be sown very early in the spring so plants will be large enough to flower the following year. They should be wintered in a cold frame where sub-zero temperatures are common and always in a well drained place, as their crowns remain green all winter.

7730 Gloxiniaeflora White. Flowers shaped and spotted like gloxinias. 2-4 ft. June-July. Pkt. 10c.

7735 —Pink: Pkt. 10c.

7740 —Purple: Pkt. 10c.

7745 Gloxiniaeflora Mixed Colors. Pkt., 10c.

7768 —The Shirley Hybrids. 6 to 7 ft. The flower-heads are over 3 ft. long, covered with big bell-shaped blossoms from white and shell-pink to deepest rose. Pkt., 25c. Plants, each, 60c; 3 for \$1.50; doz., \$4.75.

7750 Grandiflora or Ambigua. 2 to 3 ft. June-July. Yellowish flowers marked with brown. A true perennial. Pkt., 10c.

7769 Lutzii Hybrida. 4 ft. The spikes are strong and heavily laden with salmon-rose bells. Pkt., 20c.

7749 Princess, Pastel Mixture. 4 ft. Here is really a new flower for your garden—a Foxglove in distinctly new pastel tints of pink, apricot, buff, rose and heliotrope. Pkt., 15c.

7775 Vaughan's Special Mixture of Digitalis. The above, and other colors. Pkt., 15c.

Euphorbia ①

Culture: B, D or E, Page 58

7807 Corollata (Wild Baby's Breath). 2 to 3 ft. Blooms in midsummer, and suggests *Gypsophila* but the flowers are a cloud of small white stars, delicate and airy. Valuable for bouquets. Will bear drought or neglect. Leaves turn a rich wine color in fall. Pkt., 25c.

7808XMyrsinites. 3 in. June-July. Distinct gray trailer, large heads of yellow flowers. Pkt., 25c.

Funkia (Hosta, Day Lily)

Very attractive plants with slender leaves surmounted by Lily flowers in terminal racemes, 1½-2 ft., July-Aug. Excellent in any shady position.

Subcordata Grandiflora. Flowers white, large green leaves. One of the best perennials for shade. Plants, each, 75c; 3 for \$2.00; doz., \$6.25.

Variegata. Most attractive variegated border plant. Well adapted to the shade. Plants, each 60c; 3 for \$1.50; doz., \$4.75.

Fortunei Robusta. Unusually large blue-green foliage. Flowers are white shaded light lilac blue. A novelty of real value. Plants, each \$1.50; 3 for \$4.00.

Fortunei Marginata. Has light green margin and strong growth followed by attractive mauve flowers in August. Plants, each \$1.50; 3 for \$4.00.

Eryngium (Sea Holly) ①

Culture: C, B, D, or E, Page 58

Handsome ornamental plants for flower and shrubbery borders. Flowers July to Sept. The leaves are prickly, and the flower head itself is a small Teasel.

7793 Amethystinum. 1½-3 ft. Fine foliage with bluish-green shoots terminating in numerous amethyst-blue thistle-like flowers. Pkt., 25c.



7852 **GEUM** Lady Stratheden. Pkt., 35c.
7855 **GEUM** Mrs. Bradshaw. Pkt., 25c.

Geum ①

Culture: B or C, D or E, Page 58

Geums are showy, producing a wealth of attractive flowers much prized for cutting. Excellent for border.

7852 Lady Stratheden (Golden Ball). 2 ft. Flowers loosely double; a delightful shade of golden yellow. Pkt., 35c.

7855 Mrs. Bradshaw. 2 ft. The double orange-scarlet flowers are very large and full. June-Sept. Pkt., 25c.

7854 Prince of Orange. True rich orange on long stems. Pkt., 25c.

Gerbera (Transvaal Daisy) ①

Culture: D or E, Page 58

7846 Jamesoni Hybrids (Flowerland Strain). 2 ft. Large Daisy-like blooms on long stems in yellow and red. Seed should be sown singly, point up; cover lightly in greenhouse or hotbed. Transplant when leaves are one inch long. Water sparingly. Give sunny, airy location, protect from rain in summer in the open. Needs protection over winter. Pkt., (25 seeds) 25c.

Helenium (Sneezewort) ①

Culture: B, D or E, Page 58

To register masses of color in the border background, the Heleniums and other members of the Sunflower family are most useful. They grow easily from seed and spread rapidly. Autumn flowering varieties are especially valued for contributing autumn color.

7880 Bigelowi. 2 ft. Light yellow flowers borne from July to September. Pkt., 25c.

7890 Riverton Gem. 2 to 4 ft. Covered from August to October with brilliant old gold, changing later to wallflower-red. Pkt., 25c.

Helopsis (Orange Sunflower) ①

A very brilliant border plant, resembling a double Sunflower; an excellent cut flower.

Lemoine Strain. Double golden yellow. Blooms first year from seed. Plants Each, 50c; 3 for \$1.25; Doz., \$4.75.

Hibiscus (Rose Mallow) ①

(3 to 5 Feet)

Culture: B, D or E, Page 58

In the late summer, when perennials are few, well established plants of Mallow bear their beautiful single flowers, 3 to 5 inches, several weeks. Aug.-Sept.

7947 Avalon Hybrid. A new hybrid strain. Different in form, foliage, season, habit and color. Flowers mostly of bell shape, and vary from blush through pink, rose and vivid reds. Blooming season lasts until middle of October. Pkt., 25c.

7950 Golden Bowl. Deep cream, with a velvety maroon center. Pkt., 10c.

7946 Jumbo Red. A special selection made to improve color and size of the flower of the Mallow Marvells Red. Pkt., 15c. Plants, each, 55c; 3 for \$1.35; doz., \$4.50.

7960 Mallow Marvells Mixed. Pkt., 15c. Plants, each, 50c; 3 for \$1.25; doz., \$4.25.

7965 —Red. Pkt., 15c.

7966 —Pink. Pkt., 15c.



Day Lilies (Hemerocallis)

PLANTS ONLY

Modern Day Lilies have been greatly improved in color range, size of flowers and season of bloom. They have become one of the important perennials for midsummer bloom. Perfectly hardy, they increase rapidly under favorable conditions.

Apricot. A distinct apricot shade. Each, 75c; 3 for \$2.00; doz., \$6.25.

Aureole. Early flowering brilliant orange yellow. Each, 60c; 3 for \$1.50; doz., \$4.75.

Calypso. 42 in. Large clear lemon-yellow. Opens at night. July. 60c; 3 for \$1.50.

Dauntless. 30 in. Pale cadmium-yellow with greenish throat and delicate fulvous touch in center of each petal. July-Aug. \$1.50.

D. D. Wyman. 36 in. Immense golden-yellow; brick-red splash on petals. July-Aug. 75c; 3 for \$2.00.

Dr. Regal. Rich orange yellow. Very fragrant. Each 50c; 3 for \$1.25; doz., \$4.25.

Hyperion. 44 in. Gigantic flowers of soft canary-yellow; fragrant. July-Aug. \$1.00; 3 for \$2.65.

Kwanzo Floreplena. 48 in. Double flowers of fulvous red on orange. Aug. 50c; 3 for \$1.25.

Margaret Perry. 48 in. Brilliant orange-scarlet, lined with yellow. July-Aug. 60c; 3 for \$1.50.

Mikado. 36 in. Rich orange with mahogany-red throat. Fragrant. July-Aug. 60c; 3 for \$1.50.

Ophir. 48 in. Deep golden-yellow trumpet shaped flowers 5 in. across. July-Aug. 75c; 3 for \$2.00.

Patricia. 36 in. Clear fragrant yellow with green throat. Remains open evenings. June-July. \$1.50.

Serenade. 42 in. Twisted and curved petals of yellow and apricot shades. June-July. \$1.00.

Sovereign. 30 in. Soft chrome yellow with bronze reverse. June. 50c; 3 for \$1.25.

Thunbergi. 36 in. An evening bloomer of fragrant soft yellow. July-Aug. 50c; 3 for \$1.25.

Wau-Bun. 36 in. Huge flowers of soft yellow sprinkled with traces of red. July-Aug. \$1.50.

COLLECTION No. 53

6 Hemerocallis \$3.85

Prepaid, \$4.30 value for,

One each of varieties D. D. Wyman, Calypso, Hyperion, Mikado, Margaret Perry, Ophir.

Culture: A, B, C, or D, Page 58

7922 HEMEROCALLIS Peerless Blend.

A mixture of high merit. Seeds saved from 10 botanical species, also from fine hybrid seedlings. This blend will give a wide color range of excellent Day Lilies. Seeds, pkt., 25c.

Hesperis Matronalis ①

(Sweet Rocket—Evening Scented Stock)

Culture: B, D or E, Page 58

The fragrant flower-heads of these thrifty flowers somewhat resembling perennial Phlox, make a fine display in the border, or in bits of woodland, for they endure light shade. 2 to 3 feet. June and July.

7930 Purpurea. Lilac. Pkt., 10c.

7935 —Alba. White. 10c.



8015 **HOLLYHOCKS** Vaughan's Prize Double Mixture. Pkt., 15c.

Hollyhocks ①

Culture: B, D or E, Page 58

Hollyhocks are most decorative and the great spikes of bloom are "Towers of Beauty" to the garden picture. Following Delphiniums in the border show, have a long season of bloom which can be prolonged by picking off faded flowers, and a second crop will come if the first stalks are cut back. Need well drained location.

Hollyhock rust can be overcome by treating the plant as a biennial, sowing the seed early one year for flowering the next, as it is a well known fact rust seldom attacks young plants.

Double Varieties

7969 **Black.** 7990 **Salmon.**

7971 **Colorado Sunset.** 7988 **Scarlet.**

7972 **Deep Salmon Red.** 7970 **White.**

7975 **Maroon.** 7992 **Yellow.**

8004 **Lilac Beauty.** A clear bright lilac color.

8005 **Newport Pink.** The finest pure pink.

Each of above, pkt., 10c.

PLANTS. Mixed Colors. Each, 45c; 3 for \$1.15; doz., \$3.75.

8008 Begonia Flowered Imperator, Mixed.

Flowers with broad collar of frilled and fringed petals and double center rosette. Mixture containing many interesting combinations of colors. Pkt., 25c.

8009 Double Triumph Mixed. Beautifully fringed rosette flowers in many new shades and bicolor combinations. Pkt., 15c.

8015 Vaughan's Prize Double Mixture. Finest shades in perfect flowers. Pkt., 15c; ½ oz., 50c.

8010 Allegheny Mixed. Flowers come single, semi-double and double, about 5 inches across. Pkt., 10c.

8016 Vaughan's Special Mixture. This mixture is composed of all the best double varieties as well as two new French strains, not offered before. A most interesting combination. Pkt., 25c.

Single Varieties

More permanent and hardy than the double and if planted with a deep green background, such as arbovitae hedge, they afford a most striking effect.

8055 Mixed. ¼ oz., 30c; pkt., 10c.

Annual Hollyhocks—See Page 28.

Heuchera (Coralbells) ①

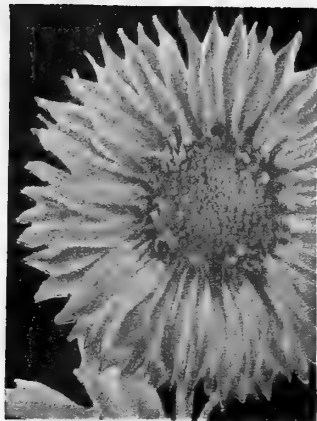
Culture: B, D or E, Page 58

From a tuft of heart shaped leaves, graceful flower stalks rise, bearing flowers in clusters. Beautiful both in border and in rockery.

7940 Sanguinea. 2 ft. July-Aug. Long stems of large crimson-scarlet flowers. Pkt., 25c.

7943—New Hybrids Mixed. All shades of red and coral pink. Large and free flowering. Pkt., 25c.

7848 GILIA Coronopifolia. Red. A remarkably beautiful biennial, flowers of a rich shade of red, in tall graceful, spikes, sown very early and grown on quickly will flower same autumn. Pkt., 25c.



7812 **GAILLARDIA** Burgundy. Pkt., 25c.
Plants, Each, 50c; 3 for \$1.25; Doz., \$4.25.

Gaillardias ①

Culture: B, D or E, Page 58

For cheerful, long-lasting garden color, Gaillardias are indispensable. Groupings of them here and there in front of shrubs will provide splashes of color for weeks and weeks. A rich light soil is essential and they require a sunny situation to do well.

7809 **Grandiflora Monarch Strain.** A robust strain very varied in coloring and with flowers of giant size and perfect form. Pkt., 25c.

7812 **—Burgundy.** 2 ft. Shining wine-red flowers, 2½ in., from June until fall. Blooms same year, sown early. Pkt., 25c. Plants, Each, 50c; 3 for \$1.25; doz., \$4.25.

7811 **—Dazzler.** Large golden yellow flowers with rich maroon center. Pkt., 25c. Plants, Each 50c; 3 for \$1.25; Doz., \$4.25.

7817 **—Goblin.** 12-15 in. First real dwarf, covered with showy deep red flowers yellow bordered. Flowers first year from seed. Pkt., 25c.

7836 **—Portola Hybrids.** 2½-3 ft. The flowers are nearly 4 inches; brilliant scarlet intensified by golden yellow tip. Pkt., 25c. Plants, Each 50c; 3 for \$1.25; Doz., \$4.25.

7810 **—Mixed.** Composite flowers variegated with shades of red and yellow. Pkt., 10c.

Helianthemum ①

Culture: C, Page 58

7906X**Mutabile (Rock Rose).** 8-12 in. Low-growing evergreen plants forming large clumps, completely covered with bloom during July and August. Pale rose changing to lilac, then to white. Excellent for rockeries. Mixed colors. Pkt., 15c

Iberis (Perennial Candytuft) ①

Culture: A, B, D or E, Page 58

Dwarf evergreen plants, 6 to 10 in. Covered with blooms in spring and early summer. Excellent for rockeries or borders where bright dwarf masses are wanted.

8075X**Gibraltarica.** Pinkish white. Pkt., 10c. Plants, Each, 60c; 3 for \$1.25; Doz., \$4.25.

8080X**Sempervirens.** Sheet of white. Pkt., 25c.

Lathyrus Latifolius ①

(Hardy Sweet Pea)

Culture: B, C, D or E, Page 58

Very decorative climbing vines of the Pea family for growing on fences, trellis, etc., and for cutting. Blooms all summer, if seed pods are removed.

8100 **Pink Beauty.** Pale pink variety. Pkt., 10c.

8105 **Rubra.** Bright rosy crimson. Pkt., 10c.

8110 **White Pearl.** Large white. Pkt., 10c.

8115 **Mixed.** The above colors. Pkt., 10c.

Lavender (Lavendula) ①

Culture: B, D or E, Page 58

Delightfully fragrant flowers, much used when dry on account of their sweet odor. Prefers warm, dry soil. Sow seed in fall

8117X**Munstead Strain.** 1 ft. A most valuable variety. A month earlier than the common Lavender. Pkt., 25c; Plants, Each, 60c; 3 for \$1.25; Doz., \$4.75.

8261 **OENOTHERA (Evening Primrose).** Missouriensis Macrocarpa, 1 ft. Pkt., 10c.

Grow Iris From Seed

Culture: A, B or C, Page 58

8089 **Kaempferi.** Special strain, see Novelties.

8092 **Siberian.** This type of Iris resembles the Spanish and English Irises. It makes a bright show in the garden and is excellent for cutting. Sow seed in fall. Pkt., 15c. For Iris plants see Index.

8091 **Dichotoma (August or Vesper Iris).** Fragrant flowers on tall branching sprays, from July to September. Cream to violet-purple markings of various colors. Seed sown in early spring will germinate quickly, and a fair proportion will bloom the first summer. Pkt., 20c.

Hyacinthus Candicans ①

Culture: B, D or E, Page 58

8070 Bell-flowers of waxy white are carried in loose spikes to five-foot heights. Strikingly decorative in the border. Easy to grow and winter-hardy to Chicago latitude. In colder areas, dig in late autumn and store. Pkt., 15c.



PLATYCODON Blue and White.

Platycodon ①

(Chinese Bell Flower)

Culture: B, D or E, Page 58

They resemble Campanulas, with dainty bell flowers on graceful stems, and are effective in the border foreground. They flower from June to September.

8360 **Grandiflorum.** 2-3 ft. Large handsome deep blue flowers. Pkt., 10c.

8365 **—Album.** White. Pkt., 15c.

8370X**Mariesii Blue.** 1 ft. Deep blue dwarf. Pkt., 10c.

8375X**—Alba.** White. Pkt., 25c.

Liatris ①

(Kansas Gay Feather)

Culture: B, D or E, Page 58

8119 **Scariosa.** Crowded spikes of rosy purple flowers. Pkt., 15c.

8117A **—September Glory.** A giant 6-foot spike solidly covered with purple flowers from top to bottom. The flowers, unlike the common variety, come into bloom all at the same time, creating a marvelous effect. Pkt., 25c.

8118 **Pycnostachya.** 4 to 5 ft. Flowers purple in spikes, which bloom a long time. Excellent for the border. July-Aug. Pkt., 25c.

Linaria (Toad Flax) ①

Culture: A, B, D or E, Page 58

Showy free-flowering plants. Good for borders.

8120X**Cymbalaria (Kenilworth Ivy).** 3 in. Dainty lilac and orange, trailing habit. Pkt., 10c.

Lobelia ①

Culture: B, C, D or E, Page 58

Handsome border plants, thriving in any ordinary garden soil, but preferring a moist, deep loam.

8145 **Cardinalis (Cardinal Flower).** 2 ft. July-Oct. Tufts of bronzy green foliage from which arise spikes of fiery scarlet flowers. Pkt., 15c.

Culture: B, D or E, Page 58

8245 **MYOSOTIS Palustris Semperflorens.** True marsh forget-me-not blooming from spring until autumn. Pkt., 25c.



8162 **LILIAM** Regale. Pkt., 15c.

Lilies from Seed ①

Many Lilies are easily grown from seed; and seedling Lilies are likely to be more enduring in your garden. A leaflet describing the simple methods which bring success, requiring no skill, but merely care and patience, will be sent free with each order for Lily seed, if requested.

8158A **Longiflorum Praecox White Queen.** Produces long trumpet-shaped flowers of clear white. Pkt., 25c.

8162 **Regale (The Royal Lily).** 3½ ft. King of lilies of northern gardens. Easiest of all northern lilies to grow, none more beautiful. Great flaring trumpets glossy waxy white, interior shows a lemon tinting and the reverse a rosy suffusion. Pkt., 15c.

8163 **Tenuifolium (Coral Lily of Siberia).** It is a gem, perfectly hardy. One of the earliest to flower. 24 in. high with the flowers up and down on stem. Blooms are deep scarlet and have recurved petals of waxy texture. Pkt., 25c.

8164A **Mixture of Hardy Lilies.** Includes seeds of 50 Liliun species and Hybrid strains, but not, of course, in equal proportions. A wonderfully diversified and widely inclusive mixture, all the best true Liliuns. Pkt., 25c.

For bulbs of Lilies see Index.

Linum (Flax) 12 to 18 in. ①

Culture: C, Page 58

The foliage and flower present the appearance of a small feathery bush. The flowers are borne in great numbers from May through September.

8140 **Flavum.** 1-2 ft. Produces masses of golden yellow flowers from June until Sept. Pkt., 20c.

8141 **—Compactum Nanum.** A glowing golden yellow, blooms for months and if cut back gives a fall crop. Pkt., 25c.

8127 **Narbonense Heavenly Blue.** The flowers are twice as large as the common Linum Perenne. The color is a luminous ultramarine blue. Blooms from seed the first year. Pkt., 25c

8125 **Perenne Blue.** 2 ft. May-Aug. Has dainty sky-blue flowers on graceful arching stems. Blooms produced continuously in profusion. Pkt., 10c.

Lupinus Polyphyllus ①

Culture: A, B, D or E, Page 58

Inoculate Lupin seeds with Nitragin. Two garden sizes, 10c and 25c. Chill seed before sowing.

8170 **Albus.** Large, pure white spikes. Pkt., 10c.

8165 **Blue.** Stately spikes of blue. Pkt., 10c.

8166 **Carmineus.** Shades of carmine. Pkt., 10c.

8174 **Downer's Hybrids.** Perpetual flowering hybrids. Pkt., 25c.

8175 **Roseus.** 4 ft. Light and dark rose. Pkt., 10c.

8171 **Famous Russell Strain.** Mixed colors. These remarkable Lupins are often 3½ ft. in length. The coloring has an enormous range. Flowers in 4 months from sowing. Pkt., 25c.

8179 **Vaughan's Special Mixture.** This is a choice mixture of the best English and American strains, including recent novelties. Pkt., 25c.

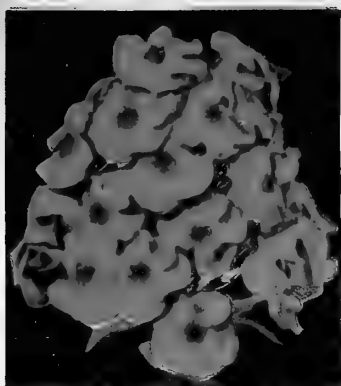
For Winter Bouquets ①

Culture: B, D or E, Page 58

8150 **LUNARIA Biennis Annual (Honesty or St. Peter's Penny).** Flowers lilac-purple, followed by silvery seed pods, prized for winter bouquets. Biennial but readily self-sows. Pkt., 10c.

8155 **—Alba.** Flowers white. Pkt., 10c.

8156 **—Variegated Foliage.** Pkt., 15c.

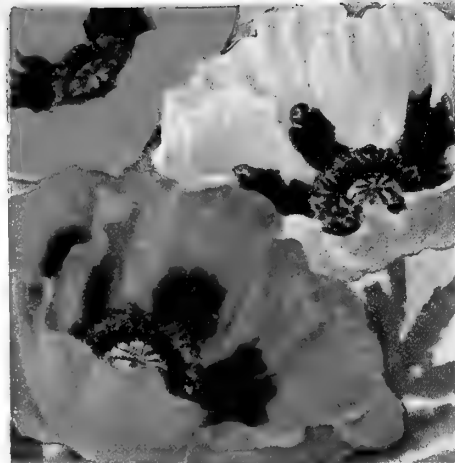


PHLOX Chas. Curtis, 3 for \$2.00.



PHLOX Daily Sketch, 3 for \$1.50.

8340 PHLOX Decussata Mixed. 2-3 ft. This special mixture comes from a superior collection of large-flowering sorts. Perennial Phlox do not come true from seed and can be had only in mixture. Seed germinates slowly. Pkt., 25c.



8313 POPPY Oriental Named New Varieties. Mixed. Pkt., 25c.

Hardy Phlox Plants

We offer varieties of Phlox which have proved to be long lived and resistant to disease, in a representative range of colors. All these varieties have large florets and heavy heads of bloom.

Aetna. Tall, strong grower of a superb deep scarlet color.

Africa. Lustrous, deep carmine red with darker eye.

Annie Laurie. One of the best new salmon-reds.

***Border Queen.** Massive well-formed heads. Deep watermelon pink.

Caroline Vandenburg. Nearest to blue color to be found in Phlox.

***Daily Sketch.** Large flowers of light salmon pink with carmine eye.

E. I. Farrington. Color a delightful salmon shade with darker eye.

***Ethel Pritchard.** Soft lavender which blends well with other colors.

***Flash.** Rich dark red with orange-scarlet center. Tall.

July Lights. A brilliant carmine red with blood red eye.

***Leo Schlageter.** One of the brightest and flashiest of all red Phlox.

***Moonlight Dream.** Semi-dwarf white.

Lychnis ①

Culture: B, D or E, Page 58

A fine old-fashioned flower that livens up the border during summer and early autumn.

8190 Chalcedonia (Maltese Cross). 3 feet. June-Aug. Burning Star. Flowers fiery red, in clusters, each blossom forming a Maltese cross. Will bloom from seed the first year. Pkt., 10c.

8196 —Salmon Queen. 3 ft. Salmon-pink, 15c.

8210 Haageana Hybrids. 1 ft. June-July. Mixed. Ranging from nearly white to scarlet. Pkt., 15c.

8215 X Viscaria Splendens. 1½ ft. Almost evergreen foliage, bright rose flowers. Pkt., 10c.

8221 LYTHRUM The Beacon Improved. Neat spikes of carmine red flowers. Height 3½ ft. Pkt., 25c.

8220 —Roseum Superbum. 4 ft. Rose-pink. Pkt., 10c.

Nepeta (Mauve Catnip)

Culture: A, B, C, D or E, Page 58

Neat bushes covered with lavender-blue flowers; both foliage and flowers aromatic.

8254 X Mussini. 1 ft. May-Sept. Light blue. Pkt., 25c.

PACHYSANDRA Terminalis. A trailing plant 6 in. to 8 in. high. Bright, glossy green foliage. Ideal ground cover for the shady spot. 3 for \$1.00; 10 for \$3.00. 100 for \$20.00.

Pentstemon (Beard Tongue) ①

Culture: B, D or E, Page 58

They are very showy, growing from 2 feet to 4 feet high, are rather bushy and have very long, slender spikes which bear many trumpet-shaped flowers.

8335 Digitalis. 2 ft. June-July. White flowers with purple throat. Pkt., 25c.

8324 Barbatus. Tall erect branching. A showy scarlet perennial. One of the best. Pkt., 25c.

8338 Hardy Perennial Blend. Pentstemons are most satisfactory perennials. This mixture contains many varieties not listed separately. Pkt., 25c.

Painted Lady. Loved for its silvery-pink color and deep eye.

Prime Minister. Pinkish white, brilliant red center.

Salmon Glow. Robust growth and blooms of deep salmon.

Starlight. Orchid with white eye.

Tigress. Brilliant new coral-salmon shade with golden sheen.

On all of above, 60c each; 3 for \$1.50; Doz. \$4.75.

Collection No. 55. One each of the six starred varieties of above \$2.75

Charles Curtis. Brilliant cherry-red. Very showy.

Mary Louise. Large heads of pure white. Excellent. New.

Salmon Beauty. Rich salmon-pink with white eye.

On all of the three above, 75c each; 3 for \$2.00; Doz. \$6.25.

Collection No. 55A. One each of the three above. \$1.95

Iceland Poppies

PAPAVER Nudicaule 12 to 18 in.

Culture: B, Page 58

Cool moist soil is necessary, and light shade preferred. If faded flowers are picked off plants blossom all summer, and they usually bloom the first year from seed. 12 inches.

8291 Gartford Giant Art Shades. Exceptionally large flowers, fluted and carried on long wiry stems. The colors include lovely pastels. Pkt., 25c.

8287 Kelmscott Mixed. See Novelties.

8281 Yellow Wonder. Buttercup yellow flowers on stems 25 in. long, heat and drought resisting. Pkt., 25c.

8293 Emperor. 18-22 in. Finest giant orange variety, of distinct new form, with broad overlapping fluted petals giving effect of semi-doubleness. Blooms freely first year from seed. Pkt., 25c.

8278 Sanford's Giant Strain. Immense flowers in a beautiful color range. Pkt., 20c.

8286 X Sunbeams Mixed. This is a cross between the Shirley and Nudicaule types. The flowers are charming shades of orange, salmon, and other tints. Pkt., 25c.

8282 White. Pkt. 25c.

8279 Vaughan's Special Iceland Poppy Mixture. We have included in this all the newer varieties and older forms. Pkt., 25c.

8270 X Nudicaule Mixed. Pkt., 10c.

Physalis Franchetti ①

Culture: B, D or E, Page 58

Physalis Gigantea. (Chinese Lantern Plant). The attractive orange-scarlet balloon-shaped seed pods are very large and will make excellent winter decorations. Plants, Each 50c; 3 for \$1.25; Doz., \$4.25.

POTERIUM Obtusum. (Japanese Barnet) 3 ft. July-Sept. A rare hardy perennial; has graceful pinnate foliage and crimson flowers two inches long. Very ornamental and fine for cutting. Plants, Each 75c; 3 for \$2.00; Doz. \$6.25.

POLYGONATUM Multiflorum. (Solomon's Seal) Pendant sprays of white flowers on 2 foot stems. Plants, Each 50c; 3 for \$1.25; Doz. \$4.25.

Oriental Poppies

PAPAVER ORIENTALE 3 ft. May-June

These gorgeous spring flowers, often six inches across, of vivid coloring, may be left undisturbed for years. They are beautiful with the tall bearded Iris. The named varieties of Oriental Poppies do not come entirely true from seed.

8307 Beauty of Livermere. Finest dark crimson. Pkt., 25c.

8303 Mahoney. Maroon, shaded crimson. Pkt., 15c.

8309 Mrs. Perry. Delicate salmon-rose, black base. Pkt., 25c.

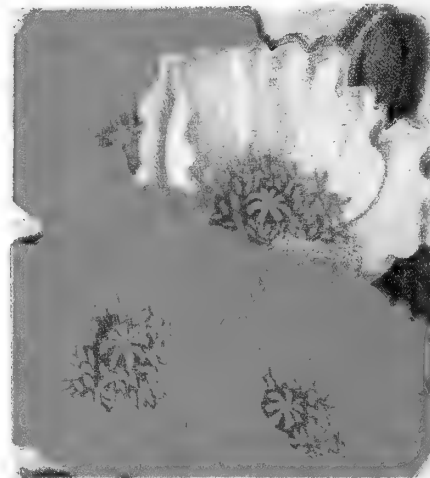
8306 Perry's White. 2½ ft. Large, handsome satiny white flowers with purple-black blotch at base of each petal. Pkt., 25c.

8305 Princess Victoria Louise. Large flowers, soft lilac-rose color. Pkt., 15c.

8311 Royal Scarlet. Pkt., 25c.

8310 Red. Very striking color. Pkt., 10c.

8313 Named New Varieties Mixed. Seed collected from a field of the newer named sorts. Lovely pinks, lake, rose and white and other lighter shades. Pkt., 25c.



8279 Iceland Poppy Vaughan's Special Mixture, Pkt., 25c.

Polemonium (Jacob's Ladder) ①

Culture: B, D or E, Page 58

Free flowering hardy perennial herbs; belong to the Phlox order. They have graceful, pinnate leaves, and bear their flowers in loose heads. Showy plants for the mixed, sunny border, blossoming with the Tulips.

8380 Coeruleum (Greek Valerian). 2 ft. Beautiful sky-blue flowers with golden anthers. April-July. Foliage fern-like. Pkt., 15c. Plants, Each, 50c; 3 for \$1.25; Doz., \$4.25.

SEEDS GERMINATE SLOWLY

Seed bed should be prepared where it will be undisturbed for a year or more for:

Aconitum, Anemone, Delphinium Cardinale, Dictamnus, Iris, Hardy Primulas.

Primula ①

There is a growing appreciation of the beauty of the amazingly varied Primrose family. Blossoming in April and May, their brilliant colors have few rivals in plantings along shady paths or in the rock garden. Seed germinates slowly.

Culture: C or B, Page 58

8403 Acaulis Blue. The finest obtainable being regular and rich in color. Pkt. (100 seeds) \$1.00.
8403A X Auricula Large Flowering Mixed. 6 in. Flowers in early spring in colors of yellow, brown and red. Seeds, Pkt., 25c.

8411 Japonica. Mixed. Towering sprays of beauty. Colors range through white, rose, pink, crimson, mauve and lavender, bright crimson, orange eye. Pkt., 25c.

Polyantha Type (Bunch Primrose)

These are showy, cluster-flowered, of exceptional size, thriving in rich, moist soil.

8419 Veris Giant Crimson. Pkt., 25c.

8420 Colosseum Mixed. The large heads of florets are borne on very long and stiff stalks quite above the foliage and have proven to be very valuable as cut flowers for early forcing. The flowers measure more than 1 3/4 inch across. The colors include new shades of lilac, pink, copper as well as the darkest red. Pkt., 100 seeds, 50c.

8421 Lutea. Yellow. Pkt., 25c.

8416 X Grandiflora, Mixed. An extra choice large flowered mixed strain most carefully selected for habit, rich coloring and size of bloom, the finest strain for bedding. Pkt., 35c.

8418 Giant Bouquet Mixed. Large flowered, strong stems, excellent mixture. Pkt., 25c.

8423A Monarch Strain. Undoubtedly the finest of all strains. Pkt., 25c.

8424 Vulgaris (English Primrose). Pale yellow for wild gardens. Pkt., 25c.

Ranunculus

4536 Asiaticus. The semi-double to intensely double flowers can make a magnificent showing. Straw to gold, orange, scarlet, crimson with pink tones. Can be planted in garden in earliest spring and tubers to be dug in late fall and stored for winter. Pkt., 25c.

Rose

Culture: B, D or E, Page 58

8452 The Baby Rose. Multitudes of tiny roses in varied lovely colorings, but largely in white, blush or delicate pink. Flowers single to fully double. More or less everblooming. Quick from seed, and from earliest spring sowings, plants will be in flower by June, midgets but four inches high. Pkt., 25c.

Rudbeckia (Cone Flower) ①

Culture: B, D or E, Page 58

Hardy, free flowering and easily grown perennials belonging to the Daisy order. Excellent and showy plants for sunny or partially shaded borders, and for yielding flowers for cutting.

RUDBECKIA Purpurea. Reddish purple flowers, large brown cone-shaped center. Two to 3 foot stems. Blooms July to October. Plants, 60c each; 3 for \$1.50; Doz. \$4.75.

Salvia ①

Culture: B, D or E, Page 58

Showy, hardy plants of medium growth and of easy cultivation in sunny borders. Grow on dry side and without fertilizer. The flowers are borne in spikes, racemes, or panicles, and are very attractive during the summer months.

8475 Pitcheri. Delightful flowers of brightest azure blue, carried in long racemes. Foliage is silver dusted. Fully hardy and long lived perennial that will nevertheless bloom the first year from seed if sown early. Pkt., 20c.

8480 Patens. 2 ft. Large, rich deep blue flowers. Roots can be wintered in cellar. Sept. Pkt., 25c.

Saponaria ①

Culture: B, D or E, Page 58

8482 X Ocymoides Splendens. 6 in. A showy dwarf trailing plant, producing a sheet of rose colored flowers. June-August. Pkt., 10c.

PERENNIAL SEED MIXTURES

Similar to our surprise garden of annuals.

8600 Dwarf. 6 to 15 in. **8601 Medium.** 18 to 36 in.

8602 Tall Sorts Mixed. 3 ft. and upwards. Each of above, per pkt., 25c; 3 pkts. for 65c.



8438 PYRETHRUM Robinson's Hybrids Mixed. Pkt, 25c. Plants, each, 50c; 3 for \$1.25; doz., \$4.25.

Pyrethrum Roseum

(Painted Daisy) May-June

Culture: B, D or E, Page 58

Their large flowers, well named Painted Daisies, blossom with the tall Iris, and continue through June. A second crop will come if the first growth is cut back. They are easily grown from seed. 1 to 2 ft.

8433 Double Mixed. Pkt., 35c.

8444 Double Red. Pkt., 50c.

8445 Pink. Pkt., 50c.

8446 Salmon. Pkt., 50c.

8447 Sulphur. Pkt., 50c.

8448 White. Pkt., 50c.

A certain percent will be single of the above.

8438 Robinson's Hybrids, Mixed. A selection made by an English specialist, with a fine color range. Pkt., 25c. Plants, each, 50c; 3 for \$1.25; doz., \$4.25.

8438A Robinson's Crimson. The best red. Pkt., 25c.

8440 Grandiflorum Single Mixed. Pkt., 15c.

Scabiosa ①

Culture: B, D or E, Page 58

They are in bloom from June to October, require little space and thrive in ordinary soil.

8490 Caucasica Perfecta. 18 in. Light blue flowers prettily fringed on long stems. Pkt., 15c. Plants, each 50c; 3 for \$1.25; doz., \$4.25.

8491 Alba. Pure white comes true. Pkt., 25c.

8494A Vaughan's Special Mixture. Large fringed and ruffled flowers from lavender to dark blue; some pure white. Pkt., 25c.

8492 House's New Giant Hybrids. 18 in. June-Oct. Large flowers in various shades of lavender. Pkt., 25c. Plants, each 60c; 3 for \$1.50; doz., \$4.75.

8496A Goldingensis. Large flowers, waved petals, small center, deep lavender. Pkt., 25c.

Silene (Catchfly) ①

Culture: B, D or E, Page 58

A charming class of plants for the rock garden. They are closely allied to the Pink family.

8509 X Schafta. 4 in. July-October. Bright rose. One of the best autumn border plants. Pkt., 25c.

Statice (Sea Lavender) ①

Culture: B, D or E, Page 58

The leaves spring direct from the root stock; and the flower stems bear in panicles. Flowers useful for drying for winter.

8516 Caspia. The multitude of small flowers composed in spikes 2 to 3 ft. long; tender lilac. Pkt., 15c.

8515A Dumosa. It forms densely packed cushions of pure silvery gray flowers. 2 ft. Pkt., 25c.

8520 Latifolia. 2 ft. Purplish blue minute flowers produced all summer. Pkt., 10c. Plants, each, 50c; 3 for \$1.25; doz., \$4.25.

8517 Perezii. Rich bright blue. Pkt., 25c.

8529 Native Wild Flower Mixture.

Seeds of more than 100 different species. All American, collected in the temperate zone. There are few annuals, the rest hardy perennials. For woodlands, and wild flower gardens. 25c.

Stokesia (Stokes' Aster) ①

Culture: B, D or E, Page 58

Large flowers, resembling a single Aster, prefer a light soil, and some winter protection.

8525 Cyanea. 18 in. July-Oct. Flowers rich blue. Pkt., 15c. Plants, each 60c; 3 for \$1.50; doz. \$4.75.

8535 Mixed. Blue and white. Pkt., 15c.

Thalictrum (Meadow Rue) ①

Culture: B, D or E, Page 58

Though not of bright and conspicuous color, the feathery flowers of the Thalictrums are decorative and interesting, and their leaves, resembling the maiden-hair fern, are attractive both in the border and when cut. They grow easily from seed.

8545 Dipterocephalum. 4 to 5 ft. Aug.-Sept. Very graceful plumes of rosy-purple flowers with conspicuous yellow anthers. Pkt., 25c.

Thermopsis ①

Culture: B, D or E, Page 58

8548 Caroliniana. 3 to 5 ft. June and July. The long, graceful spikes of yellow Lupin-like flowers blossom with the Delphiniums and provide an excellent foil for their blues. Pkt., 25c.

Iritoma, Red Hot Poker ①

Culture: B, D or E, Page 58

Very handsome and showy border plants. Flowers borne in compact form on stout 3 and 4 ft. stems, having the appearance at a distance of orange and red colored spear heads. Require protection during winter, unless in a very sheltered position.

8558 Pfitzer's Hybrids. Orange scarlet. Pkt., 15c. Plants, each, 60c; 3 for \$1.50; doz., \$4.75.

Trollius Globe Flower ①

Culture: B, D or E, Page 58.

8552 Europaeus. Desirable free flowering plants producing their giant orange yellow buttercup flowers on 1 to 2 ft. stems from May to Aug; needs a moist position. Seed germinates slowly. Pkt., 25c.

Valeriana ①

(Garden Heliotrope)

Culture: B, D or E, Page 58

8559A Alba. Pure and fragrant. Flowers in June, one of the most charming perennials. Pkt., 10c.

8560 Rubra. 2 ft. Showy heads of old rose flowers in umbels on 12 inch stems. Pkt., 10c.

8561 Mixed. Pkt., 10c.

8562 Officialis. 3 to 4 ft. Produces showy heads of rose-tinted white flowers during June-July with delicious strong Heliotrope odor. Pkt., 25c.

Verbascum (Mullein) ①

Culture: B, D or E, Page 58

Plants of stately growth. The leaves more or less woolly, and the flowers are borne in branched spikes. Belongs to the Foxglove order.

8567 Olympicum. 6 ft. Silvery foliage; golden yellow flowers borne in large pyramidal spikes. June-Sept. Pkt., 25c.

8569 Phoeniceum Hybrids. 2 ft. Bears white, purple, rose or red flowers in erect spikes. Pkt., 25c.

Veronica (Speedwell) ①

Culture: B, D or E, Page 58

Hardy, herbaceous perennials varying in height from a few inches to 3 or 4 ft., and bearing blue or white flowers in terminal spikes or racemes.

8577 X Incana. White woolly plant, numerous blue flowers. 12 in. June-July. Pkt., 25c.

Longifolia. 2 1/2 ft. Spikes of light blue flowers, glaucous blue foliage. July-Sept. Plants, each, 50c; 3 for \$1.25; doz., \$4.25.

8570 Spicata Blue. 2 ft. July-August. Flowers violet blue in long spikes. Pkt., 15c.

Vinca Minor

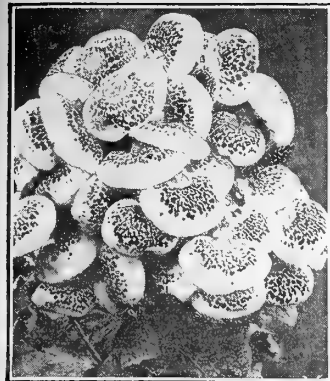
(Grave Myrtle) X

Valuable for rockeries or makes a fine evergreen carpet under and about shrubs and trees. 4 in. June. Green foliage, large blue flowers.

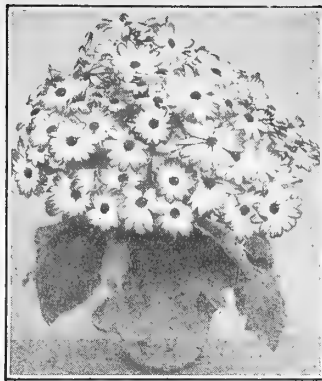
Bowles Variety. Glossy leaved plant which makes a fine evergreen for shady locations. Flowers are a charming intense blue. Plants, each, 45c; 3 for \$1.15; doz., \$3.50.

PLANTS OF HARDY SWEET VIOLETS

Royal Robe. Lustrous violet blue, very fragrant, open slike pansy. Plants, each, 60c; 3 for \$1.50; doz., \$4.75.



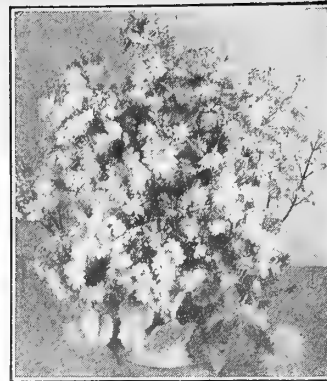
1184 CALCEOLARIA Hybrida Triumph. Pkt., \$1.00.



1716 CINERARIA Cremer's Prize Mixture. Pkt., 50c.



2560 GLOXINIA Vaughan's International Mixture. Pkt., 25c.



4477 PRIMULA Malacoides Erickson's Special Mixture. Pkt., 35c.

House Plants from Seed

AGAPANTHUS ÷

Culture: C, B, D or E, Page 58

- 175 **Umbellatus** (Blue Lily of the Nile) 1 ft. Bright blue flowers produced in clusters on long stems. Does well out of doors in all Southern States. House plant in the North. Pkt., 15c.

ANTIGONON

Culture: C, B, D or E, Page 58

- 315 **Leptopus** (Mexican Mountain Rose) = Handsome summer-blooming greenhouse climber, requiring abundance of light. In the South it blooms freely in the open. Flowers beautiful rose-pink. Pkt., 10c.

ANTIRRHINUM Snapdragon ① ÷

For Greenhouse Forcing.

Culture: D or E, Page 58

BRONZE

- 362 **Afterglow**. Golden bronze. Pkt., 50c.
381 **Early Glorious**. Bronze shaded scarlet. 50c.
399C **Sunlight**. Finest early golden bronze. Pkt., 50c.
400 **Suntan**. Rose shade of tan yellow lip. Pkt., 50c.

LAVENDER

- 367 **Bertha Baur**. Standard lavender. Pkt., 50c.

ROSE AND PINK SHADES

- 375 **Cheviot Maid Supreme**. Deep rose pink. Pkt., 50c.
395C **Marie Louise**. Shell pink. Pkt., 50c.
408A **Rose Queen**. Dark pink. Pkt., 50c.

WHITE

- 395 **Lucky Strike**. Early flowering white. Pkt., 50c.
394A **Koester's White**. Pure white. Pkt., 50c.

YELLOW

- 374 **Ceylon Court**. Dark canary yellow. Pkt., 50c.
376 **Coates Yellow Perfection**. Golden yellow. Pkt., 50c.
380 **Ethel**. Bright yellow. Pkt., 50c.
426 **VAUGHAN'S MIXTURE OF GREENHOUSE VARIETIES**. A mixture of the forcing varieties we list. Pkt., 50c.

ASPARAGUS ÷

Culture: C. Pot up in fall, force in greenhouse. Page 58

- 480 **Plumosus Nanus**. + 3 ft. Pkt., 25 seeds, 60c.
485 **Sprenger**. + Finest material for hanging baskets. Pkt., 25 seeds, 60c.

CALCEOLARIA +

Culture: C. Pot up in fall, force in greenhouse. Page 58

- 1179 **Hybrida Multiflora Nana, Mixed**. The average size of the blooms is only 1½ inches, but the amount of flowers produced is unsurpassed. The color scheme is extraordinarily gay and full of contrast. Pkt., \$1.00.

- 1184 **Hybrida Grandiflora Triumph Strain**. A truly outstanding strain. Bright shades of yellow, orange, red and rose; the flowers are large and mostly tigered or spotted. This strain produces bushy, shapely plants with clean foliage. Pkt., \$1.00.

CINERARIA Hybrida +

Culture: C. Pot up in fall, force in cool greenhouse. Page 58

- 1715 **Vaughan's Columbian Mixture**. A mixture of the finest strains; the flowers from 7 to 9 inches in circumference, brilliant colors. Pkt. (75 seeds), 25c.
1716 **Cremer's Prize Mixture**. The petals in most of the blooms of this strain are wide, numerous and overlap well to form attractive heads. The plants can be finished in smaller pots, too, making shapely specimens covered with masses of blooms. Pkt., 50c.
1726 **Multiflora Nana Gold Center**. The golden yellow stamens make a wonderful contrast with the blues, reds and pinks of the flowers. Pkt., 50c.
1718 **Potsdam Strain, Mixed** (Berlin Market or Weissensee). Taller and larger flowered than Cremer's Prize mixture. Pkt., 50c.

CYCLAMEN Persicum Giganteum +

Culture: C. Pot up in fall, force in greenhouse. Page 58

- 2010 **Mixed**. Large, colorful fragrant blooms on strong erect stems, well above the ornamental foliage. It takes nearly 18 months to produce blooming plants from seed. 10 seeds, 25c; 25 seeds, 60c.

DRACAENA Indivisa □ +

Culture: D, E or C, Page 58

- 2350 **Ornamental leaved plants**; long, narrow, green-leaved foliage. 2 ft. Pkt., 10c.

FREESIA □ ÷

Culture: D, E or C, Page 58

Sow the seed in cold frame in the middle of May, covering them with sash for three weeks, until the plants are up; then gradually remove the sash so that the plants will become accustomed to the air.

Lift the plants in the middle of September and plant in cold house. They will flower in January with nice large blooms and long stems.

- 2455 **Rainbow Hybrids**. A mixture of colored varieties. Pkt., 25c.
2454 **Golden Daffodil**. Color clear light yellow with orange bloom. Large flowers on strong stiff stems. Pkt., 25c.

GLOXINIA +

Culture: D or E, Page 58

- 2560 **Vaughan's International Mixture**. Magnificent house-blooming plants, with handsome bell-shaped flowers in a diversity of the richest colors. These seeds are very small and require care in handling, but start very readily when sown in pans or pots on finely sifted soil and watered from beneath. 12 in. Pkt., 25c.

2846 **House Plants Mixed**. A mixture of the following: Begonia, Calceolaria, Cineraria, Cyclamen, Primula Malacoides and Obconica mixed. Pkt., 50c.

Blaine Washington; November 6, 1945

We would like to tell you the packets of 3960 Petunia Cheerful and 7523 Delphinium Chinese Blue Mirror were both lovely, both blossomed through the season and are ordering some with this order. Dianthus Gaiety is very satisfactory also. P. J. B.

GREVILLEA ÷

Culture: D or E, Page 58

- 2675 **Robusta** (Silk Oak). 1 to 5 ft. Grows rapidly from seed, and is pretty in all stages of growth, with its long, drooping, silky foliage. Pkt., 15c.

- 3038 **LISIANTHUS Russellianus** (Eustoma). An excellent pot plant with rich violet blue flowers with black center and yellow stamens. Sow in heat in Spring, keep fairly moist during Summer. Blooms in four months from seed. Upright and compact free flowering habit. 1½ ft. Pkt., 25c.

MARIGOLD □

Culture: D or E, Page 58

- 3122 **Lieb's Winter Flowering**. Mahogany brown with golden yellow crested center. Pkt., 25c.
3145 **French Tall Double Winter Harmony**. Golden orange center, reddish brown guard petals. This is an entirely new type for winter flowering in the greenhouse. Very uniform growth, long stems, 2½ inch flowers, and comes 100% double and true to type. Pkt., 25c.

PANSY □

Culture: A, B or C, Page 58

- 3841 **Vaughan's Long Stemmed Winter Flowering Re-selected Mixed**. It has a much wider color range than the original Winter Flowering strain and has an excellent stem length, averaging better than 10 in. The bloom size is from 2½ to 3 in. and the flowers are of very good substance. Sow in summer for Midwinter blooming. Pkt., 50c.

PRIMULA ÷

Culture: D, C or E, Page 58 ÷

- 4465 **Chinese Vaughan's International Mixture**. Our mixture contains all the choicest colors of the single-flowering Primulas in all their dainty shades. Pkt. (100 seeds), 75c.

Primula—Various Sorts

Culture: C (May-July). Pot up July-Sept., Page 58

New Giant Malacoides

- 4469 **Snow Flake**. Has flowers of the purest shimmering snow white one can imagine. 200 seeds, 35c.
4470 **Mixture**. Contains a good many varieties still in the developmental stage. Pkt., 200 seeds, 35c.
4477 **Erickson's Special Mixture**. (Riverside Strain). This is the newest strain, flowers are larger, stems are heavier; foliage is stiffer, more upright and heavier. Flowers have more substance and last longer. Pkt., (50 seeds), 35c.

Primula Obconica Grandiflora

Culture: D or E (Jan.-April); C (May-July). Winter in greenhouse. Germination 3-4 weeks. Page 58

- 4487 **Fasbender Red**. Large rich deep red. Pkt. (200 seeds), 50c.
4495 **Obconica Grandiflora Mixed**. Good mixture. Pkt. (200 seeds), 25c.
4496 **Gigantea Wyaston Wonder**. The huge heads of bright crimson flowers are carried on strong stems well above the foliage. In spite of the vigorous growth, Wyaston Wonder makes a compact and tidy plant. Pkt., 50c.
4497 **Gigantea Wyaston Wonder, Hybrid Orchid, Lavender**. The color is a superb art shade of true orchid-lavender. The trusses are of enormous size, composed of individual blossoms which will average two and one-half inches in diameter. Pkt., (200 seeds), 50c.



FIRMING THE SOIL



MARKING THE ROWS

SOWING THE SEED
SOWING SEEDS IN THE INDOOR BOX

COVERING THE SEED

Flower Seed Cultures—How to Sow

IN FIVE paragraphs below, designated A, B, C, D and E, we cover in considerable detail the methods of starting flower seeds which are available to the amateur without a greenhouse, and which cover well the needs of an outdoor garden. In the flower seed section in the case of each flower listed, information is given as to the cultural methods which can be used for that subject.

While our cultural instructions are definite, detailed and exceptionally thorough, they should be supplemented by reading in good gardening books and by obtaining, at first hand, advice from successful gardeners in your neighborhood. Success in gardening requires study, and the opportunity for enlarging one's information and trying out new things is one of the most fascinating features of gardening.

A Sow in the bed, border or row where the plants are to grow. The soil should be loamy, with well pulverized surface. With heavy soil inclined to cake and crack, it is usually best to grow plants in a seed bed (B) and transplant to the permanent place. Loosen the soil where seeds are to be sown, with the trowel, or hoe, several inches deep. Rake smooth. Broadcast small seeds and cover them lightly four or five times their diameter. Very small seeds may be merely pressed in. Larger seeds may be planted singly, well covered, but more thickly than plants are wanted. Firm the soil well over the seed. Watering now becomes of great importance. At no time should the soil be allowed to become hard and dry, yet excessive watering may cause the seeds to rot, sour the soil, or cause "damping off." When the plants appear, thin them out, allowing each to grow singly, without crowding. The distance between them is governed by their ultimate size and spread. Excess plants may usually be moved to a new location.

B Sow in outdoor seed bed, to be transplanted. The seed bed in the open should be of loose, mellow loam, raised slightly above the surrounding surface, and preferably surrounded by a wooden curb, to prevent rain washing across it. It should not be wider than four feet, so it can be worked easily. Shelter from high winds is valuable, but damp and shady corners are not desirable. Full sun is advisable when seedlings are up, while shade when needed, as in mid-summer for perennial seedlings, is best supplied by a lath or cloth canopy, which can be removed in damp and cloudy weather. Sow the seeds in rows which may be as close as five inches. Sowing and watering are the same as described in "A" above. Seedlings may be transplanted when they make true leaves, the second pair of leaves to appear; or they may be left until larger before being moved to their permanent location. Perennials should be moved from the seed bed to a nursery row, to grow until fall before being moved to the border.

C Sow in flat, pot or pan outdoors or in a cold frame. This method is applicable to slow germinating subjects, some of which may take a year to germinate. Fill the receptacle with potting soil as described in "D," firm the soil and broadcast the seed, covering four or five times their diameter. Place the receptacle in a shaded location, where there is free air circulation. During the spring, summer and fall, water often enough to prevent soil from drying out.

A mulch of peat moss will help retain moisture. In winter, place in a protected place outdoors and cover with leaves. Have patience with slow germinating subjects; do not disturb too quickly. Any live seed will eventually grow if given time enough, provided soil, moisture supply, etc., are right. When seedlings appear and make true leaves, transplant to pots, nursery row or permanent location. If moss forms on soil surface, sprinkle fresh earth over top.

D Sow indoors in a box, pot or pan. This method may be followed where there is a window facing south, enjoying sunlight most of the day. Use a standard florists' pot or pan (shallow pot) or a "flat," which is a shallow box, with holes bored in the bottom for drainage. Cover the drainage holes in pot or box with broken pottery; fill with potting soil. This is a mixture of half sand and half black loam. It may be obtained from florists. Firm the soil, and sow the seeds in rows, marking each row to identify the sowing. Water by setting the box or pot in water, so that it soaks up from below, or use a fine spray which does not wash the soil. Place in a dark place, covered with a wet newspaper blanket until the seeds sprout. As soon as sprouts appear bring into full light. Cover the box or pot with glass to check evaporation, but when moisture collects on glass wipe it off, and prop up one end of the glass to allow air to circulate during the sunny part of the day. A temperature not below 50 degrees at night, or 75 degrees by day, is best. Do not allow the soil to dry out. When the seedlings have made true leaves (the second set), they should be transplanted to other flats, giving at least two inches of space apart; or they may be moved to small pots or to an outdoor seed bed or border.

E Sow in a hotbed or cold frame. A cold frame or a hotbed heated by manure or other means may be used. The best method with flower seeds is to sow seeds in flats, which are placed in the frame. With manure heated beds, seeds should not be sown until the temperature of the newly made bed has dropped to 90 degrees. Watering and ventilation are important. On sunny spring days, always prop up one end of the sash to prevent overheating, which may occur quickly and cause spindly growth. Do not allow the soil to dry out. When the seedlings have made true leaves, they should be transplanted to other flats, spaced two inches apart each way; or to the soil in the hotbed, or to an outdoor location, if late enough.

GARDEN ENCYCLOPEDIA, AN ENCYCLOPEDIA OF GARDENING. Complete in one volume. Written by a group of American horticultural experts and edited by E. L. D. Seymour, B.S.A. A single big volume that gives you the scope and contents of a whole shelf full of garden books. More complete, more detailed, more understandable, more usable than any other garden book ever prepared. 1300 pages. 750 illustrations including 250 photographs. New edition. \$4.00

GARDEN FLOWERS IN COLORS. By Daniel J. Foley. The 400 brilliant and lifelike color plates of flowers contained in this book make it the greatest value that has ever appeared in picture books. Valuable as a means of identifying garden flowers. 320 pages. \$2.49

THE GARDENER'S BUG BOOK. By Cynthia Westcott ("The Plant Doctor"). A complete guide to the control of insect pests. More than 1,000 insect enemies described with up-to-date methods for their control; 38 full-color plates and more than 100 illustrations in black and white. \$4.95

GARDENING BOOKS

All Books on This Page Postpaid

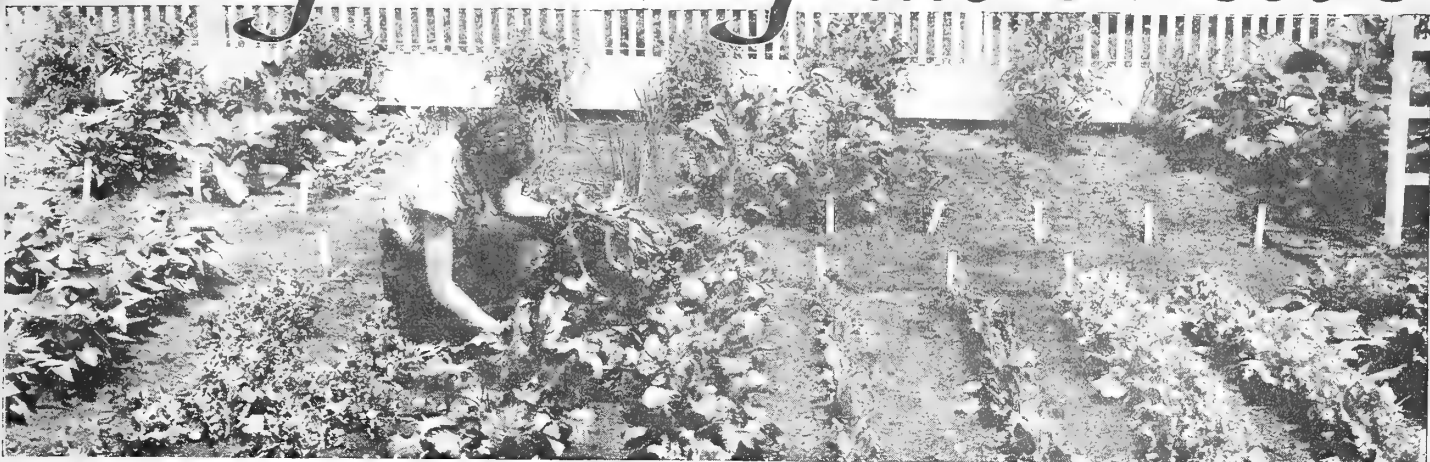
GARDEN GUIDE. By 28 Authors. This solves every problem that confronts the amateur gardener, from the laying out of his home grounds to the planting and upkeep of his flower, vegetable and fruit garden, his lawns, trees, shrubs, etc., and finally, the canning and preserving of the harvest. As one admirer of the Garden Guide testifies: "This book is the Moses of the garden. Mother uses it, Ethel uses it, I use it and all the neighbors use it. I think it is great." 576 pages and 300 illustrations. \$2.00

HOW TO GROW ROSES. By J. H. McFarland and Robert Pyle. A new edition of the best known book on practical rose-growing. It gives advice on how to use roses in the garden and around the home, how to bud them, locate the beds, prepare the ground, plant, label, care for in summer, fight pests, protect in winter, prune and select types and varieties. 72 illustrations (40 in color); 192 pages; 5½ x 8 inches. \$2.00.

10,000 GARDEN QUESTIONS. F. F. Rockwell, editor. Answered by 15 experts. Real questions from real amateurs, with brief, authoritative answers. Among them you will find the solutions to your problems . . . Helpful diagrams and illustrations supplement the text . . . A quick-action index places all the information at your finger tips. 23,000 gardeners asked the questions on which this garden manual is built. The scope covers the whole field of amateur gardening! 35 famous authorities answered the questions. 1467 pages. Hundreds of specially drawn illustrations. \$3.95

PROPAGATION OF PLANTS. By Kains and McQuesten. A complete guide for professional and amateur growers of plants by seeds, layers, grafting and budding, with chapters on nursery and greenhouse management. In direct, simple language it discusses all phases of the subject, explains technical and scientific terms and tells clearly the how and the why of all processes. 639 pages. \$3.50.

Vaughan's Vegetable Seeds



Artichokes

Artichoke Green Globe. Grown for its edible blossoms. It is a perennial but will not stand hard freezing and requires renewing every two or three years. It has edible blossoms which mature the second year after planting. Pkt., 25c; $\frac{1}{2}$ oz., 75c; oz., \$1.50.

Jerusalem Artichoke Roots. About five bushels plant an acre, enough to keep 20 to 30 hogs from Oct. to April. Cut and plant like potatoes. In Europe the tubers are baked, like potatoes, and esteemed as food because of their distinctive flavor. Tubers can be supplied in March and April, 5 lbs., for \$1.25; 10 lbs. for \$2.25; 50 lbs. for \$7.50. By express, collect. Write for quantity prices.

Asparagus

ASPARAGUS from the home garden is one of the most delicious and earliest of crops. It may be grown in any deep, rich soil; either from seed or roots.

SEED PLANTING — Asparagus may be raised from seed and a crop obtained in three years. One ounce of seed will produce 300 plants.

ROOT PLANTING — A year may be saved by buying the plants and setting them two feet apart in the row, and the rows four feet apart.

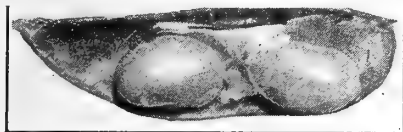
WASHINGTON RUST-RESISTANT STRAIN. Developed by the experts of the United States Department of Agriculture, who originated this strain. Rust-proof plants are preferred by commercial growers. The most satisfactory strain is **MARY WASHINGTON.**

Mary Washington. Pkt., 10c; oz., 35c; $\frac{1}{4}$ lb., 85c.
Paradise. Pkt., 15c; oz., 65c; $\frac{1}{4}$ lb., \$1.75.

ASPARAGUS ROOTS

	2-Year Old Doz.	100	1000
Mary Washington	\$0.75	\$3.00	\$28.00
Paradise	1.00	3.70	35.00

If by mail, add postage as follows. 100, 50c.



Edible Soy Beans

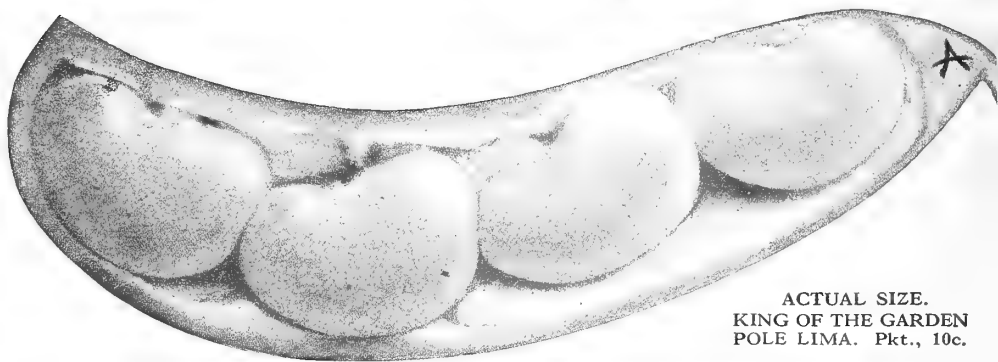
Soy Beans have proteins, 36.5%; fats, 17.5%; compared with Navy Beans' proteins, 22.7%; fats, 1.5%. They are esteemed highly as a food for diabetics.

Bansei. 90 days. 18 to 24 in. tall, the earliest and best in Northern districts. Pods $2\frac{1}{2}$ x $\frac{1}{2}$ x $\frac{3}{8}$, pale green turning to pale greenish yellow. Pkt., 10c; $\frac{1}{2}$ lb., 20c; 1 lb., 30c; 2 lbs., 50c.

Inoculate Bean Seed.

To stimulate growth, use culture of nitrogen secreting bacteria. Garden size, sufficient for 5 lbs. of seed of peas, beans, lima beans and sweet peas, 10c.

For Soy Beans, special culture, sufficient for 120 pounds, 30c; for 5 bushels, 55c; for 25 bushels, \$2.50.



ACTUAL SIZE.
**KING OF THE GARDEN
POLE LIMA.** Pkt., 10c.

LIMAS should be planted with the eye down. The Bush Lima is more easily grown than the tall, and is earlier and more economical of space but the Pole Limas yield better.

One week after frost proof date sow seeds 2 inches deep, and thin plants of small seeded bush and all pole varieties to stand 6 inches apart, all large seeded bush to stand 1 foot apart. Plants kept picked clean will bear until frost.

BUSH

★Fordhook Bush. 78 days. The highest quality Bush variety, it grows erect, and its large pods contain 4 to 5 large, thick green Beans. Pkt., 15c; $\frac{1}{2}$ lb., 35c; lb., 55c; 2 lbs., 95c.

★USDA 2 Henderson. About 60 days. A prolific yielder of small Beans, thriving in ordinary soil. Earlier than standard Henderson and recommended to replace it. Pkt., 15c; $\frac{1}{2}$ lb., 35c; lb., 55c; 2 lbs., 95c.

Baby Fordhook. 72 days. It resembles Fordhook Bush, but with darker foliage, more productive and averaging more Beans to the pod. Good flavor and excellent for canning or freezing. Pkt., 15c; $\frac{1}{2}$ lb., 35c; lb., 55c; 2 lbs., 95c.

Burpee's Improved Bush. About 76 days. This has larger pods and Beans than the original. Pkt., 15c; $\frac{1}{2}$ lb., 35c; lb., 55c; 2 lbs., 95c.

Cangreen. A new green seeded small bush lima of Henderson type. A stronger grower, more prolific, with slightly larger seeds. Pkt., 15c; $\frac{1}{2}$ lb., 35c; lb., 55c; 2 lbs., 95c.

Fordhook 242. 75 days. Selected to give heavier yield in hot weather. Pkt., 15c; $\frac{1}{2}$ lb., 35c; lb., 55c; 2 lbs., 95c.

Early Market. Pkt., 15c; $\frac{1}{2}$ lb., 35c; lb., 55c; 2 lbs., 95c.



BABY FORDHOOK. Pkt., 15c.



USDA 2 Henderson, Pkt., 15c.

POLE

Packet plants 15 hills; lb., 100 hills.

★King of the Garden. 85 days. A large podded, vigorous, immensely productive variety. The numerous pods, 5 to 7 inches long, are well filled with 5 to 6 large Beans of excellent quality. Pkt., 10c; $\frac{1}{2}$ lb., 25c; lb., 45c; 2 lbs., 85c.

★Succulence. 75 days. Earliest of pole limas. Bears beans slightly larger than Henderson's Bush. It is an exceptional producer and can be grown on a pole or allowed to run on the ground. Pkt., 10c; $\frac{1}{2}$ lb., 25c; lb., 40c; 2 lbs., 75c.

Early Leviathan. In about 83 days. Pkt., 10c; $\frac{1}{2}$ lb., 25c; lb., 45c; 2 lbs., 85c.

NAVY BEANS

Great Northern. 90 days. Hardier and heavier vine than the Navy, having a longer pod and larger beans. Seed a little longer than round, and clear white in color. Pkt., 10c; lb., 40c; 2 lbs., 75c.

Michilite. 90 days. This has the resistance of Improved Navy. It should be preferred to either of the others. Pkt., 10c; lb., 35c; 2 lbs., 60c.

Two Pounds Prepaid

Catalogue prices of peas, beans and sweet corn include pre-payment on lots up to and including 2 pounds. For postage charges on larger lots, see Page 104.

Best of the Beans for Home Gardens



GREEN POD BUSH BEAN, LOGAN. Pkt., 25c.

QUALITY in Beans is measured by stringlessness, by tenderness, or the absence of fiber, or "linen" in the pod; by ability to produce well; a long straight pod being preferred. After the harvest our Beans are hand-picked. The improvement in your crop far outweighs the increased cost.

One week before frost proof date sow bush beans 2 inches deep, 2-4 inches apart, pole beans, 4-6 inches apart. Harvest pods before seeds form. If picked clean, plants will bear until frost; but young plants yield best and succession plantings are advised.

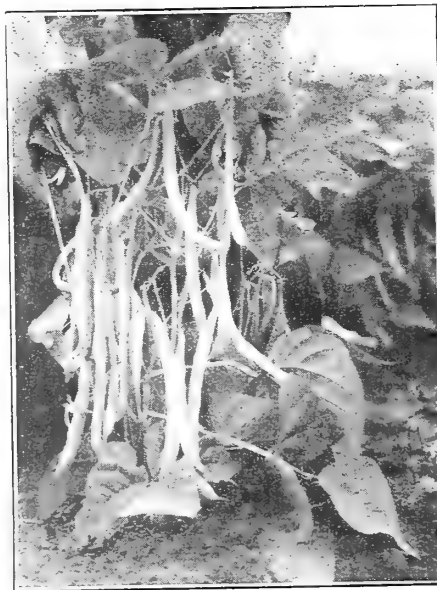
★**Tendergreen.** 52 days. Good sized bush bearing long round pods of excellent color. 6 in. long, $\frac{3}{8}$ in. through. Good green color straight, stringless. Seed: mottled buff and purple. Does best in black loam soil. Pkt., 15c; $\frac{1}{2}$ lb., 25c; lb., 45c; 2 lbs., 85c.

Logan. 48 days. Bred by the Florida Experiment station to thrive in hot summer, this has all the quality of Tendergreen, but is much heavier yielding. Each crop matures quickly, but other crops follow. Much in demand while seed is scarce. Pkt., 25c.

Longreen. 52 days. All America Honorable mention, 1946. A longer Tendergreen; see novelty pages. Pkt., 15c; $\frac{1}{2}$ lb., 30c; lb., 50c; 2 lbs., 95c.

★**Streamliner.** 55 days. This is among the most productive of the bush types, a large bush of upright growth, bearing an extra heavy crop of long, straight semi-flat pods, 7 in. long, $\frac{1}{2}$ to $\frac{3}{8}$ in. wide and fleshy. For home use it will continue bearing when others have ceased. The quality is excellent; stringless nearly fiberless, fleshy, round to flat, straight. Seed clear white, kidney shape, excellent as dry bean and outstanding for baking. Does well in medium heavy soil. Pkt., 10c; $\frac{1}{2}$ lb., 25c; lb., 45c; 2 lbs., 85c.

★**Plentiful.** 55 days. Large bush, bearing dark green pods that have a waxy or varnished shade which is not desirable for canning. Pods 6 $\frac{1}{2}$ in. long, $\frac{1}{2}$ in. wide. Tender, free from fiber, fleshy, straight, stringless, said to be resistant to common rusts. Does best in medium heavy soil. Pkt., 10c; $\frac{1}{2}$ lb., 25c; lb., 45c; 2 lbs., 85c.



GREEN POD BUSH BEAN STREAMLINER. Pkt., 10c.

★**Bountiful.** 49 days. One of the foremost Market Garden types. A sturdy bush, bearing long flat pods, 6 $\frac{1}{2}$ in. long, $\frac{1}{2}$ in. wide; stringless, straight, medium light green, some fiber but an excellent shipper. One of the fastest picking beans, good flavor. Seed: solid straw color or brownish yellow. Does well in any soil. Pkt., 10c; $\frac{1}{2}$ lb., 25c; lb., 40c; 2 lbs., 75c.

Catalogue prices of peas, beans and sweet corn include prepayment on lots up to and including 2 pounds. For postage charges on larger lots, see page 104.

Giant Stringless Green Pod. 53 days. Very similar to Landreth's Stringless, but pods a little more curved and more fleshy with more indentation between the beans. Pods 6 in. long, $\frac{1}{4}$ in. diameter. Stringless, tender, good flavor, a good canner and home garden sort. Seed: oval and yellowish brown. Does best in heavy soil. Pkt., 10c; $\frac{1}{2}$ lb., 25c; lb., 40c; 2 lbs., 75c.

Black Valentine Stringless. 52 days. Medium size bush bearing quantity of long fleshy pods, 6 in. long, $\frac{3}{8}$ in. wide and from oval to flat, with good green color. Stringless and of good quality, excellent shipper. Seed black, oval. Does best in heavy soil. Pkt., 10c; $\frac{1}{2}$ lb., 25c; lb., 40c; 2 lbs., 75c.

Ranger. All America bronze medal, 1947. Heavy yielding, and disease resistant variety, producing stringless round pods on plants of the spreading, half-runner type. Pkt., 25c.

Red Valentine Stringless. 53 days. Medium bush, bearing fair crop of round pods 4 $\frac{1}{2}$ in. long, $\frac{3}{8}$ in. diameter, creased back, fleshy, brittle, fine grained, used principally in the south. Seed purplish red splashed with buff. Does best in heavy soil, cold resister. Pkt., 10c; $\frac{1}{2}$ lb., 25c; lb., 40c; 2 lbs., 75c.

Wonderful. 53 days. The vigorous bush type, resembling Tendergreen in color, having dark foliage, pods averaging 1 inch longer than Bountiful flat, stringless until mature, slightly curved, excellent quality. This bean was produced by crossing Bountiful and Streamliner. Pkt., 10c; $\frac{1}{2}$ lb., 25c; lb., 45c; 2 lbs., 85c.

Stringless Green Pod. 50 days. Medium size bush, productive, bearing long, round pods of good color. Pods 5 $\frac{1}{2}$ in. long, $\frac{3}{8}$ in. diameter. Stringless, fleshy, nearly straight. Good quality. Seed coffee brown. Does best in heavy clay soil. Pkt., 10c; $\frac{1}{2}$ lb., 25c; lb., 40c; 2 lbs., 75c.

Florida Belle. 60 days. All America Bronze medal, 1945. Bred especially for resistance to disease in high temperatures and humidity. Produces flat pods longer than Bountiful, entirely stringless and free from fiber. It matures crop evenly over short period. Good for home gardens in the south, or for midsummer sowing in north. Pkt., 15c; $\frac{1}{2}$ lb., 30c; lb., 50c; 2 lbs., 95c.

Pole Beans

POLE varieties are less hardy than the bush varieties, and must not be planted until the weather is settled and the ground warm. Set the poles about two to three feet apart, and in each hill plant six to eight beans, thinning to the four strongest. A packet plants 15 hills; 1 lb., 100 hills.

***Kentucky Wonder or Old Homestead.** Ready in about 65 days. Green pod. The most widely planted pole variety. The pods are fleshy, 7 to 10 inches long and stringless when young. Kept picked, they bear all season. Pkt., 10c; $\frac{1}{2}$ lb., 25c; lb., 40c; 2 lbs., 75c.

***Kentucky Wonder Wax.** In 65 days. The best pole wax bean for northern planting. Pods are golden fleshy, delicious. Pkt., 10c; $\frac{1}{2}$ lb., 25c; lb., 45c; 2 lbs., 85c.

Early Golden Cluster Wax. About 65 days. Long, stringless; pods in clusters; pure white seeds. Pkt., 10c; $\frac{1}{2}$ lb., 30c; lb., 50c; 2 lbs., 90c.

White Kentucky or Burger's Stringless Greenpod. About 63 days. (White seeded Kentucky Wonder.) Bears until frost. Pkt., 10c; $\frac{1}{2}$ lb., 25c; lb., 40c; 2 lbs., 75c.

Cut Short or Corn Hill. About 65 days. Much used in the south for planting among the corn. Pkt., 10c; $\frac{1}{2}$ lb., 25c; lb., 40c; 2 lbs., 75c.

Lazy Wife. In 72 days. Good shell beans; long, stringless pods. Pkt., 10c; $\frac{1}{2}$ lb., 25c; lb., 40c; 2 lbs., 75c.

Horticultural Cranberry. In about 70 days. For cool climate; early; flat green pods, spotted seeds. Pkt., 10c; $\frac{1}{2}$ lb., 25c; lb., 40c; 2 lbs., 75c.

Scarlet Runner. In 65 days. Ornamental flowers. Pkt., 10c; $\frac{1}{2}$ lb., 25c; lb., 40c; 2 lbs., 75c.

Yard Long. 65 days. It produces a long, round edible pod. Pkt., 15c; $\frac{1}{2}$ lb., 30c; lb., 50c; 2 lbs., 90c.

INOCULATE BEAN SEED

To stimulate growth, use culture of nitrogen secreting bacteria. Garden size, sufficient for 5 lbs. of seed of peas, beans, lima beans and sweet peas, 10c.

For Soy Beans, special culture, sufficient for 120 pounds, 30c; for 5 bushels, 55c; for 25 bushels, \$2.50.



GOLDEN BOUNTIFUL WAX. Pkt., 10c.

WAX POD BEANS

★Golden Bountiful Wax. 53 days. Plant large, sturdy, very productive. Pods 6-6½ in. long, ¾ in. wide. Flat, thick stringless, small amount of fiber, good texture, quality and color. Seeds purplish black, kidney shaped and flattened. Does best in sand loam. Pkt., 10c; ¼ lb., 25c; lb., 45c; 2 lbs., 80c.

★Gold Standard Wax (Davis Stringless). 52 days. Plant medium large and fairly productive. Pods 6 in. long, ½ in. wide; thick, flat, stringless, straight, some fiber. Well drained soil of any kind is suitable. Good color, and quite hardy. Pkt., 10c; ¼ lb., 25c; lb., 45c; 2 lbs., 80c.

Pencil Pod Wax. 52 days. Plant large, strong and bears an abundance of pods over a long period making it excellent for home garden use. Pods 6 in. long, ¼ in. broad. Nearly-round, stringless, nearly straight, fleshy, free from fiber and excellent quality. Seed oblong, slightly flattened. Does best in black loam soil, Pkt., 10c; ¼ lb., 25c; lb., 45c; 2 lbs., 80c.

★Round Pod Kidney Wax. 55 days. (Brittle Wax.) Very desirable for both home garden and canning trade. Plant medium large, erect, vigorous and productive. Pods waxey light yellow, 5½ in. long, ¾ in. thick. Round, fleshy, brittle, stringless and without fiber. Seed white; blackish eye, kidney shape. Does best in medium heavy soil. Pkt., 10c; ¼ lb., 30c; lb., 50c; 2 lbs., 90c.

Top Notch Golden Wax. 52 days. A superior type to the old Improved Golden Wax. Very productive and compact plant. Creamy yellow pods that are straight, oval, stringless and brittle. 5 in. long, ½ in. wide. Seed solid white with brown eye. Decidedly the most prolific of the Golden Wax types. Does best in sand loam. Pkt., 10c; ¼ lb., 25c; lb., 45c; 2 lbs., 80c.

Unrivalled Wax. 52 days. Medium size bush of upright growth bearing profusely of rich waxey, yellow pods, 5 in. long, ¾ in. wide; flat and fleshy, brittle, stringless in early stage. Seed small; long, round, yellowish brown. Does best in medium light soil. Pkt., 10c; ¼ lb., 25c; lb., 45c; 2 lbs., 80c.

SHELL BEANS

Dwarf Horticultural (Speckled Cranberry) (Dwarf Cherry). Plant medium size, fairly productive 60 days for green shell and 90 days for ripe shell. Pods dark green becoming yellow splashed with carmine. Pods 5 in. long, ¾ in. wide. Nearly round at green stage, stringless but having fiber. Seeds full oval, pinkish buff. Pkts., 10c; ¼ lb., 25c; lb., 40c; 2 lbs., 75c.

English Broad Windsor. 80 to 90 days. Stalk tall slender, erect, pods green hairy, 5 to 6 in. long containing 4 to 6 beans. Green shell beans large flat, light green. Dry seed large circular, flat, reddish brown with black eye. Will stand freezing and should be planted early in the north. Pkt., 10c; ¼ lb., 25c; lb., 45c; 2 lbs., 85c.

Red Kidney. 95 days. Plant is large, vigorous. Pods 5 in. long, ¾ in. broad. Dark green, oval, flat, stringy, tough. Seed dark reddish brown. Pkt., 10c; lb., 35c; 2 lbs., 65c.

White Kidney. 100 days. For dry shell use only. Plant is large, hardy, productive. Pods 5½ in. long, ¾ in. wide. Seed long, white, kidney shape. Kidney types as well as field types do well on any medium heavy soil. Pkt., 10c; lb., 40c; 2 lbs., 75c.

White Marrow. 100 days. Plant large with long, ½ in. diameter. Seed white, oval, short. Lb., 40c; 2 lbs., 75c.

All the Better Beets



**BEET
PERFECTED
DETROIT**
Pkt., 15c;
½ Oz., 25c.

QUALITY in Beets is measured by an even, globular shape, uniformity in size, bright, even color, flavor, fine texture and tenderness. Here, as with all vegetables, the difference between a fine and a mediocre strain of one variety may be as great as between different varieties.

Our best seed is grown only from transplanted roots, which are taken up in the fall, carefully graded, stored over the winter and transplanted again in the spring. Only Beets which conform to the highest quality standards are planted for seed. Thus improvement is shown annually.

All beets keep well in winter when properly stored. A special sowing should be made in midsummer to produce the storage crop.

As soon as soil can be worked in the spring, sow one seed to the inch, in drill half-inch deep. Firm soil well over seed and water well if required. Thin when roots begin to make globes, to stand 4 inches apart in row. Cook discards with their tops.

Quantity needed to sow: 15 ft. row, 1 pkt.; 60 ft. row, 1 oz.; acre, 7 lbs. (Rows 18 in. apart).

★Perfected Detroit. Matures in about 55 days. In this improved strain of Detroit Dark Red Turnip Beet the fine qualities which have made that variety standard for main crop sowing have been strengthened by careful breeding. It is earlier, and almost spherical in shape. Its small tops are just right for either dry or wet season, heavy or light soil. The color inside and out is a very dark red, and flesh of fine texture, tender and of excellent flavor. Pkt., 15c; ¼ oz., 25c; oz., 40c; ¼ lb., 95c.

★Detroit Dark Red Turnip. Matures in about 55 days. A main crop variety unequaled as a heavy yielder, and having the qualities which are valued for shipping and canning, as well as for the home and market gardens. Tops are uniform, small and erect. Roots are globe shaped, and very dark red, inside and out, with inconspicuous zoning. It is sweet, and remains tender until maturity. Pkt., 10c; ¼ oz., 20c; oz., 35c; ¼ lb., 85c.

★Crosby's Egyptian. Matures in about 50 days. This early variety has long been a home garden favorite; and our strain has maintained and improved its excellent qualities. It is exceptionally tender and sweet, of a deep red with some light zoning, and fine texture. Tops are of medium size, and the roots of a flattened globe shape, excelling in table quality. Pkt., 15c; ¼ oz., 20c; oz., 35c; ¼ lb., 85c.



**CROSBY'S
EGYPTIAN,**
Pkt., 10c;
½ oz., 20c.



BEET EARLY WONDER. Pkt., 10c.

Early Wonder. Matures in about 50 days. This is a selection of Crosby's Egyptian more nearly globe shaped, and a darker red. The tops are small, making it a fine variety for bunching. Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., 85c.

Green Top Bunching. 55 days. An attractive of medium size, erect, of a greyish green color that does not turn red in the fall. Roots are round, smooth, glossy and slightly flattened when mature. Interior of root is blood red and has less fiber than most bunching beets. Pkt., 15c; ½ oz., 25c; oz., 40c; ¼ lb., 95c.

Long Dark Blood. 75 days. Roots long, smooth, dark red, tapering to a point, 7 in. long, remaining tender even in storage. Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., 85c.

Early Blood Turnip. In 55 days. Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., 85c.

Improved Early Egyptian. About 45 days. The best variety for forcing and first early crop. Roots very dark red, rounded on top, flat beneath, small tops. Pkt., 10c; ½ oz., 25c; oz., 45c; ¼ lb., 95c.

SUGAR BEETS

Klein-Wanzleben. Wedge shape tapering to long tail. Pkt., 10c; oz., 25c; ¼ lb., 65c.

Mangel Wurzel

Mature in 90 to 120 days.

Mangels are an excellent crop for dairy and poultry farms, giving a crop of good feeding value for both cattle and chickens. Sow in May or June, 6 lbs. to the acre, in rows 2 feet apart, and thin to nine inches.

Barres Sludstrup. This Mangel holds the world's record for dry matter content. It is a long, reddish yellow, ovoid root. Pkt., 10c; oz., 25c; ¼ lb., 65c.

Vaughan's Mammoth Long Red. Largest and heaviest cropper of long red sorts. Pkt., 10c; oz., 25c; ¼ lb., 65c.

Broccoli Yields All-Summer Crop



BROCCOLI ITALIAN GREEN SPROUTING. Pkt., 15c.



BRUSSELS SPROUTS

Brussels Sprouts

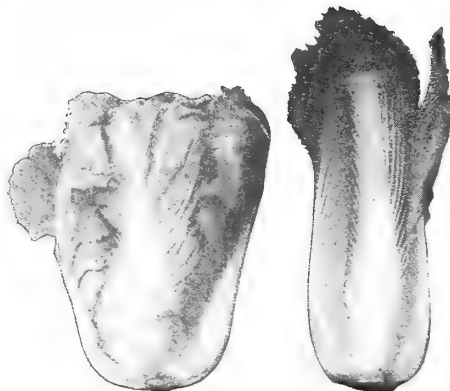
Brussels Sprouts are miniature cabbages formed on a plant stalk. The delicate flavor is improved by a touch of frost. For late use sow seed in June.

Improved Dwarf. Pkt., 15c; ½ oz., 40c; oz., 75c.

Long Island Improved. About 90 days. The most satisfactory Brussels Sprouts for American conditions. Pkt., 15c; ½ oz., 40c; oz., 75c.

CARDOON

Main stalks are blanched like Celery; used for salad or in soups. Pkt., 15c; ½ oz., 65c; 1 oz., \$1.25; ¼ lb., \$3.75.



PAOTING. Pkt., 10c. PE TSAI. Pkt., 10c.
Quantity needed for 30 ft., 1 pkt.; 200 ft., 1 oz.

Chinese Cabbage

★**Celery Cabbage Pe Tsai.** 90 days. From seed sown in late June or early July it produces slender, tight heads 6 x 18 inches, bleached in center with tips of leaves green. Makes delicious salad raw and has delicate cabbage flavor cooked, without odor. Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.25.

Celery Cabbage Paoting. Genuine "WONG BOK" type. Will mature firm heads through the summer months. It has produced heads weighing 15 pounds and stands long before going to seed. It is the largest of the Chinese cabbages. Pkt., 10c; ½ oz., 25c; oz., 40c; ¼ lb., \$1.10.

Collards

This is a relative of the cabbage which produces green leaves of cabbage flavor, and having a much higher vitamin content. It produces edible leaves in 45 days from sowing.

Cabbaging. 75 days. A desirable type producing compact plants 1½ to 2 ft. high. Large loose clusters of leaves which often show a tendency to form a head. Pkt., 10c; oz., 20c; ¼ lb., 50c.

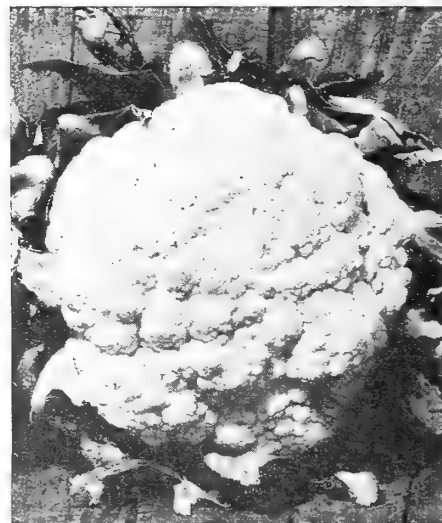
Georgia. 75 days. Plant 2-3 feet, tall, erect, spreading. At its best after frost. Pkt., 10c; oz., 20c; ¼ lb., 50c.

GREEN sprouting broccoli has been given new importance by the disclosure that because of its green coloring it is far richer in vitamins than white cauliflower, which it resembles in flavor. It is also a much easier subject for the amateur than cauliflower, and has a much longer season of harvest. It survives light frosts, and produces well in the cool autumn weather.

Sow outdoors with earliest crops; transplant or thin to stand 18 inches to 2 feet apart. Protect from aphids and cabbage worms. After center heads are cut, each branch will produce a head, harvest lasting until killing frosts.

★Italian Green Sprouting (Calabrese).

Matures in about 70 days. A selected strain of the most popular type from an Italian specialist who has bred it to a high standard of yield, flavor and tenderness. After its large center heads are harvested, smaller heads 2 inches in diameter form at the ends of lateral branches. It continues to bear for eight to ten weeks. Pkt., 15c; ½ oz., 25c; oz., 45c; ¼ lb., \$1.25.



VAUGHAN'S SELECT SNOWBALL. Pkt., 40c.

Cauliflower

Home gardeners will find cauliflower not difficult where conditions are right. When plants are set out in June or early July to mature in October, there is seldom any question of getting fine, large heads.

Quantity needed for 150 plants, 1 pkt.; for 1,500 to 2,000 plants, 1 oz.

★**Vaughan's Select Snowball.** Matures in about 55 days. Improved strain of our New Snowball, early, dwarf, compact, producing solid white heads which measure 9 to 10 inches across and have a perfectly white core. Its heads are more uniform in size and there are more leaves, for protection in bleaching. The seeds are about one-third smaller. Pkt., 40c; ¼ oz., 85c; ½ oz., \$1.65.

★**Vaughan's New Snowball.** Matures in about 55 days. A well grown head measures 9 to 10 inches across, with depth in proportion, and a perfectly white core. It is dwarf and compact in growth, and as early as any other. Pkt., 35c; ¼ oz., 75c; ½ oz., \$1.50.

Danish Snowball. Heads larger, snow-white second early. Pkt., 35c; ¼ oz., 65c; ½ oz., \$1.25.

Dry Weather Cauliflower. Much better than other Cauliflower. This variety will withstand the heat of midsummer. If planted late in May, it will produce a large beautiful head in fall, weighing approximately 2 lbs. Pkt. 35c; ¼ oz., 65c; ½ oz., \$1.25.

Autumn Giant. Large heading late fall sort. Pkt., 25c; ¼ oz., 50c; ½ oz., \$1.00; oz., \$2.00.

Yellows Resistant and Other Cabbages

WHEREVER the temperature of the soil rises to 85 degrees and remains for several days, there is danger of the yellows disease, and when it strikes, a crop failure may result.

In the great cabbage growing district centering around Racine and Kenosha, Wisconsin, an industry has been saved by developing strains of cabbage resistant to yellows. We offer seed of these strains, which have been developed by years of scientific work, and actual growing tests. The uniformity and yield of resistant strains have greatly improved. We recommend their use wherever danger of yellows may exist. If the disease strikes, resistant strains will show slight loss, where non-resistant types would probably be destroyed.

CABBAGE CULTURE: After frost proof date, set out plants for early crop. Late varieties may be sown outdoors in June. Space small early types 12 inches apart, medium 18 inches, large late 2 feet. Water well and protect from worms and aphids.

Yellows Resistant Varieties

***Bugner.** 100 days. A winter variety seed stock grown in infected soil near Chicago, which is the most popular variety with market growers. Our own strain has been selected for resistant qualities over many years. Pkt., 25c; ½ oz., \$1.00; oz., \$1.75; ¼ lb., \$5.00.

Wisconsin Ballhead. 100 days. A highly perfected strain of yellows-resistant cabbage. A better keeper, of finer texture and matures earlier than Wisconsin No. 8. Pkt., 15c; ½ oz., 45c; oz., 85c; ¼ lb., \$2.50.

***Globe.** 75 days. The resistant Glory of Enkhouzen is but 3 or 4 days later than Copenhagen, of excellent flavor. You who think that there is no difference in the flavor of cabbage should compare a mature Globe with any other cabbage. Pkt., 15c; ½ oz., 45c; oz., 85c; ¼ lb., \$2.50.



JERSEY QUEEN CABBAGE, Yellows Resistant. Pkt., 15c.

Jersey Queen. 60 days. As near a true Jersey Wakefield as is possible to select in type and earliness. Exceptionally resistant to yellows. This is the first of our resistant strains to mature and is recommended to the home gardener where a cabbage for summer salad use is desired. Pkt., 15c; ½ oz., 45c; oz., 85c; ¼ lb., \$2.50.

Marion Market. In 75 days. The third yellows-resistant cabbage to mature. Of an excellent Copenhagen Market type, though later than select Copenhagen, coming a short time before Glory of Enkhouzen. Pkt., 15c; ½ oz., 45c; oz., 85c; ¼ lb., \$2.50.

Golden Acre Resistant. 60 days. Grown in Denmark from a selection of Extra Early Golden Acre grown in the Yellows fields in Wisconsin. Pkt., 25c; ½ oz., 50c; oz., 90c; ¼ lb., \$2.50.

Copenhagen Resistant. Similar to the regular Copenhagen Market, except that it is resistant to yellows. Pkt., 25c; ½ oz., 50c; oz., 90c; ¼ lb., \$2.50.

Detroit Resistant. An outstanding resistant cabbage that is only a few days later than Golden Acre and quite a bit larger. Our strain is strikingly uniform. Pkt., 25c; ½ oz., 50c; oz., 90c; ¼ lb., \$2.50.

Wisconsin All Head Early. In about 80 days. Is the second resistant variety to mature. Will stand for a long time without bursting and is nearly 100% resistant. Pkt., 15c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.75.

Wisconsin All Seasons. About 90 days. Either a kraut or home variety, but is used more for kraut than any other purpose. Pkt., 15c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.75.

Wisconsin No. 8. 110 days. A late winter keeper. Pkt., 15c; ½ oz., 45c; oz., 85c; ¼ lb., \$2.50.



CABBAGE SAVOY CHIEFTAIN, Pkt., 20c.

Here's Table Quality in Cabbage Savoy Chieftain. (Virsing). 88 days. You seldom see it in the markets, but friends who know European cooking will tell you how delicious Savoy cabbage tastes, stuffed with sausage, or cooked in other ways. The flavor is more delicate than white cabbage, and the head not so tight and hard; so it does not keep as well. Pkt., 20c; ½ oz., 45c; oz., 80c; ¼ lb., \$2.40.

Standard Cabbages

***Copenhagen Market Extra Early.** Matures in about 62 days. Earliest of the large heading cabbages, maturing even before the conical types, this select strain is of unique value both to home and market growers. Pkt., 10c; ½ oz., 35c; oz., 60c; ¼ lb., \$1.75.

***Green Acre.** 60 days. A round headed variety which instead of bleaching in the hot sun holds its rich green color to the bursting stage. Smooth, solid, of fine texture and flavor; heads weigh 3 to 4 pounds. Pkt., 10c; ½ oz., 45c; oz., 85c; ¼ lb., \$2.50.

Early Jersey Wakefield. In about 62 days. This extra early conical shaped head cabbage is a specialty with us. The heads are hard, the outside leaves small, so that close planting is possible. Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.50.

Early Flat Dutch. In 90 days. Sure solid header; weighs 10 to 12 pounds. Pkt., 10c; ½ oz., 25c; oz., 45c; ¼ lb., \$1.45.

Charleston Wakefield. About 73 days. Later than "Jersey Wakefield," with heads much larger and uniform. Does well on heavy soil. Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.50.



YELLOW RESISTANT CABBAGE BUGNER. Pkt. 25c.

STANDARD CABBAGES—Continued

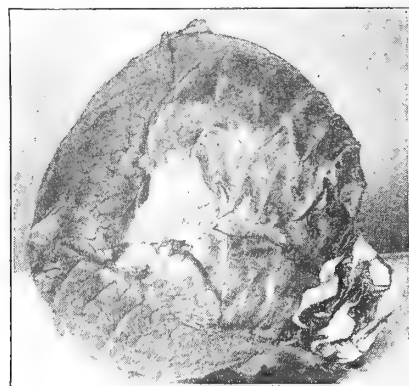
***Golden Acre.** Matures in about 60 days. Resembles Reselected Early Copenhagen Market in most respects, except that its heads are slightly smaller, 4 to 5 lbs. It is of dwarf compact growth, with few leaves, so that the plants can be set close together, and is exceptionally uniform in size and maturity date. Pkt., 10c; ½ oz., 35c; oz., 60c; ¼ lb., \$1.75.

Danish Ballhead Short Stem. Or Dwarf Amager. About 105 days. Very fine 8-lb. heads. Pkt., 15c; ½ oz., 45c; oz., 85c; ¼ lb., \$2.50.

Penn State Ballhead. About 105 days. Yields as high as 26 tons per acre have been recorded. Pkt., 10c; ½ oz., 40c; oz., 75c; ¼ lb., \$2.25.

Vaughan's Premium Late Flat Dutch. In about 110 days. Seed may be sown in the open ground and plants raised without the use of hotbeds. Pkt., 10c; ½ oz., 25c; oz., 45c; ¼ lb., \$1.25.

Oregon Ballhead. 105 days. An acknowledged leader, exceptionally solid, resistant to aphid or freezing. The outer leaves are deep green and will hold their color weeks after cutting. Equal in keeping quality to Bugner. Pkt., 10c; ½ oz., 35c; oz., 65c; ¼ lb., \$2.00.



MAMMOTH ROCK RED CABBAGE. Pkt., 10c.

Valued for Red Cabbage Distinctive Flavor

Haco. 75 days. An early, round head, very hard, 6 inches through, weighing 4 lbs. One of the earliest reds of quality. Pkt., 10c; ½ oz., 45c; oz., 80c.

Mammoth Rock Red. (Long Island strain). In 95 days. The hardiest and largest heading red cabbage. Round, very solid and of a deep red color, often weighing up to 12 pounds each. Pkt., 10c; ½ oz., 35c; oz., 65c.

Red Yellows Resistant. About 100 days. Not as large as Mammoth Rock Red, but darker and more uniform color. Pkt., 15c; ½ oz., 40c; oz., 75c; ¼ lb., \$2.25.

Quality Carrots

CARROTS have been improved in quality at the same time their value as a health food has been gaining wider recognition. In addition to color, size, shape, tops and season of maturity, our special strains are selected for sweetness, and the tenderness and even texture of the flesh, especially for a minimum of "core." Scientists say the brighter the color, the more Vitamin A in carrots.

Sow as soon as soil can be prepared, in shallow drills, 5 seeds to the inch. Thin cut when of finger size, and serve discards. Carrots will mature well growing close enough to touch, and remain delicious all season; but many prefer them young, and make several sowings.

Sweetheart. See Novelty page 5.
Pkt., 20c; ½ oz., 40c; oz., .70; ¼ lb., \$1.75.

★**Touchon.** 70 days. From the time it is finger size and thinned out of the row in early spring, until it reaches full growth in the autumn, this variety excels in flavor, tenderness, even in yield, for home gardens. Its slender shape permits growing closer than thicker types and decreases the core which all carrots have even though you may not see it. Its flesh is fine grained sweet and has bright orange coloring. Pkt., 20c; ½ oz., 35c; oz., 60c; ¼ lb., \$1.50. (Illustrated on back cover.)

★**Red Heart (Red Core Chantenay).** 70 days. It has no core of the usual sort, but its rich red coloring is even throughout the flesh. The top is ample for bunching and the foliage is fern-like. The root is of medium length, blunt, smooth and easily prepared for serving. Pkt., 15c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.50.

★**Nantes Half-Long Scarlet.** Matures in about 70 days. This early variety is not surpassed in tenderness and sweetness. The tops are small, the roots bright orange, smooth and cylindrical, 6 to 7 inches long. There is almost no core. Pkt., 15c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.50.

★**Table Queen.** Matures in about 70 days. Half-long type, rich red, tender, crisp and one of the sweetest we know. Pkt., 20c; ½ oz., 35c; oz., 60c; ¼ lb., \$1.50.

Improved Chantenay. 75 days. This is a strain of Early Chantenay which resembles the original type in most respects except that it averages 1 ½ to 2 inches longer and has sloping shoulders. Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., \$1.00.

Guerande or Oxheart. In 70 days. Is a variety of very rapid growth, often attaining a weight of ½ pound. It is thick shouldered, short and top shape; has a good flavor and is tender. A second early. Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., \$1.00.

Imperator. About 77 days. Has roots 7 to 8 inches long, slightly tapering, and just enough top to bunch well. Color is deep solid orange all through. It is prolific and of high quality, brittle, tender, sweet. Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., \$1.00.

CARROTS FOR STOCK

Improved Long Orange. About 88 days. It is a good keeper of fine quality for winter use, and extensively grown for stock feeding. Makes a large tonnage of feed and may be used for cattle or poultry. Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., 90c.

Vaughan's Select Danvers (Red Core). About 75 days. It is a half-long type, averaging five and one-half inches in length, tapering to a blunt point. Its yield greater per acre than any other. Pkt., 15c; ½ oz., 25c; oz., 40c; ¼ lb., \$1.00.



CARROT IMPERATOR. Pkt., 10c.

Green Celery Excels

CELERY is often thought to be difficult to grow. Every home gardener whose soil is sufficiently light and rich to produce good Cabbages may easily produce a family supply of this most welcome delicacy. Start the seed indoors and set the plants out around the middle of June. Eight inches apart for the early kinds and a foot for the winter varieties. Do not work over the plants when they are wet with dew or rain.

Vaughan's Celery Seed is of the finest strains in the world and is used by market gardeners selling to the most exacting trade.

Quantity needed for 400 to 500 plants, 1 pkt.; 8,000 plants, 1 oz.

★**Salt Lake.** (Utah Pascal). Selection from Utah Golden. Large round stalk. Free from string, finest quality, blanches easily. An excellent winter seller. Pkt., 15c; ½ oz., 45c; oz., 85c.

★**Golden Detroit.** The plants are heavy, compact and full hearted. This is a pure line selection of the Dwarf Golden Self-Blanching type which accentuates the good points of that variety. Pkt., 15c; ½ oz., 45c; oz., 85c.

★**Michigan Golden.** (College Golden). Developed at Michigan State Agricultural College, resistant to "Fusarium Yellows," bred from the tall strain of Golden Self-Blanching. Pkt., 35c; ½ oz., \$1.25; oz., \$2.50.

Cornell 19. 140 days. New York college of Agriculture developed this cross between Utah and Golden Self-Blanching, which combines qualities of the Pascal type with the early, easy blanching character and color of the Golden Self-Blanching strains. Averages 18 to 20 inches, hearts long and full, stems thick, rounded and smooth. Pkt., 20c; ½ oz., 75c; oz., \$1.50.

Golden Self-Blanching. Dwarf bunches, with broad, heavy stalks, blanch into a rich, appetizing, golden yellow. Though the stalks are heavier than white varieties, its sweetness, tender crispness, delicious flavor and absence of strings make it a favorite. The French originators of this type have introduced a re-selected strain earlier and stronger growing than the older type.

Tall Strain. French type. Pkt., 10c; ½ oz., 75c; oz., \$1.50.

Dwarf Strain. American-grown. Pkt., 10c; ½ oz., 75c; oz., \$1.50.

Golden Plume. A selection from or a cross with the Golden Self-Blanching, it is more vigorous and withstands heat and blight better. It is a beautiful gold in color, brittle and of the highest table quality. Select. Pkt., 15c; ½ oz., 65c; oz., \$1.25.

Giant Pascal. The stalks are large, light green solid, crisp and of rich nutty flavor. For fall and winter. Pkt., 10c; ½ oz., 40c; oz., 75c.

Emperor. It is dwarf in type (hence easier to blanch than taller kinds), second early and a good winter keeper. Pkt., 10c; ½ oz., 40c; oz., 75c.

White Plume. It excels in crisp and tender table quality. Its habit of growing is vigorous, stalks are uniformly white and large sized.

Selected Stock. Pkt., 10c; ½ oz., 40c; oz., 75c.

Winter Queen. An excellent winter sort with double the amount of heart of any known celery. Pkt., 10c; ½ oz., 40c; oz., 75c.

Soup Celery or Smallage. Green foliage used for soups. Pkt., 10c; oz., 65c; ¼ lb., \$1.45.

Easy Blanching. Medium dwarf, stalks thick, quality excellent. Pkt., 10c; ½ oz., 40c; oz., 75c.

Chervil

Chervil. 70 days. An aromatic plant resembling parsley but superior in flavor. The leaves when young are used for flavoring and garnishing meats. Seed require four to five weeks to germinate. Pkt., 15c; oz., 30c; ¼ lb., 75c.



CELERY, Salt Lake. Pkt., 15c.

Hybrid Sweet Corn Team For an All-Season Harvest

As the best combination available in 1947 we have chosen these four varieties for our hybrid sweet corn team: Surprise, 64 days. Marcross, 72 days. Golden Cross, 79 days. Golden Label, 83 days. Plant all four at the same time to insure an all-season harvest. 2 oz. of each variety in separate packets totaling ½ pound. . . . **45c**

HYBRID RESISTANT

★**Golden Cross Bantam.** 79 days. Being equivalent in both season and quality to Golden Bantam, this continues to be the favorite hybrid variety among home gardeners. It excels in sweetness and tenderness, with a larger ear and more vigorous growth than Golden Bantam. The stalk measures 7½ to 8 inches, and has 12 to 14 rows of kernels. Pkt., 15c; ½ lb., 35c; lb., 60c; 2 lbs., \$1.10.

★**Surprise.** 64 days. 10 to 12 rows, golden yellow, ears 5½ to 6 inches. Stalks 57 to 60 inches tall and bear the ears 12 inches from the ground. We can recommend this for your first early corn of good flavor. Pkt., 15c; ½ lb., 35c; lb., 60c; 2 lbs., \$1.10.

★**Golden Pride.** 68 days. Compared with Our Choice, it is longer by one inch, supplies more cut corn, is fully as fine a kernel and has as good or better quality. Pkt., 15c; ½ lb., 35c; lb., 60c; 2 lbs., \$1.10.

★**Our Choice.** 68 days. Maturing two days later than Golden Treasure, this is the sweetest variety we know, not excluding Golden Bantam. It is heavy yielding, with a good size 12 row ear, and completely resistant. For the home garden this would be our choice for an early. Pkt., 15c; ½ lb., 35c; lb., 60c; 2 lbs., \$1.10.

★**Wilson.** 90 days. This recent introduction takes front rank among late varieties. Grows 70 inches tall, ears 8½ by 2 inches, 16 to 20 rows. Fine golden yellow grains, excellent flavor. Pkt., 15c; ½ lb., 35c; 1 lb., 65c; 2 lbs., \$1.20.

★**Marcross 39.** 75 days. This is Golden 60-day crossed with Purdue Bantam and has given us a cross that is practically the same as Golden 60-Day. Pkt., 15c; ½ lb., 35c; lb., 60c; 2 lbs., \$1.10.

★**Bancross (Vaughan's Top Cross Golden Bantam).** 76 days. This variety is produced by crossing our Early Golden Bantam with Purdue Bantam. Pkt., 15c; ½ lb., 30c; lb., 50c; 2 lbs., 90c.

★**Golden Label.** See page 4. Pkt., 15c.

★**Ioana.** 83 days. Productive variety, highly resistant to drought and wilt. Plants tall and sturdy, with broad and numerous leaves. Ears 7½ to 8 in. long, 12-14 rowed, cylindrical; well filled with medium-narrow, light, yellow kernels. Pkt., 15c; ½ lb., 35c; lb., 60c; 2 lbs., \$1.10.

★**Lee.** 73 days. A second early, bearing large ears with deep kernels, very sweet and heavy yielding. Pkt., 15c; ½ lb., 35c; lb., 65c; 2 lbs., \$1.20.

★**Narrow Grain Hybrid.** 98 days. Same season as Narrow Grain Evergreen. Much more prolific in poor years. Pkt., 15c; ½ lb., 40c; lb., 70c; 2 lbs., \$1.35.

★**Country Gentleman Hybrid.** In about 99 days. Same season as Country Gentleman but better yielder. Pkt., 15c; ½ lb., 35c; lb., 60c; 2 lbs., \$1.10.

★**Stowell's Hybrid.** Pkt., 15c; ½ lb., 40c; lb., 70c; 2 lbs., \$1.35.

Pop Corn

★**Golden Hulless (Baby Golden).** 105 days. Golden yellow popping to rich creamy white. Pkt., 10c; ½ lb., 20c; lb., 35c; 5 lbs., \$1.25.

★**South American.** 110 days. Usually 2 ears to a stalk. Large yellow kernels, 12 to 14 row ear, 6 to 7 inches long, pops to enormous size, no hard center. Pkt., 10c; ½ lb., 20c; lb., 35c; 5 lbs., \$1.25.

★**South American Hybrid.** See novelty pages. Pkt., 25c.

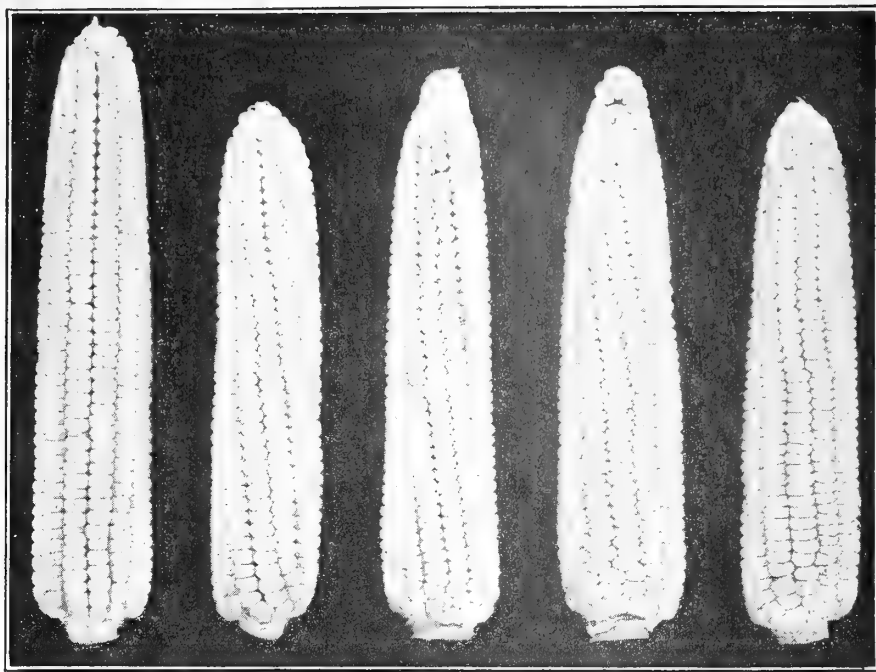
★**White Rice.** Pkt., 10c; ½ lb., 20c; lb., 35c; 5 lbs., \$1.25.

★**Japanese Hulless.** Pkt., 10c; ½ lb., 20c; lb., 35c; 5 lbs., \$1.25.

★**Japanese Hulless Hybrid.** Pkt., 25c; ½ lb., 50c; lb., \$1.00; 5 lbs., \$4.85.

★**Supergold (Kansas Sunburst.)** Pkt., 10c; ½ lb., 25c; lb., 45c; 5 lbs., \$2.00.

Newest Sweet Corn Strains



WILSON

BANCROSS

GOLDEN CROSS

OUR CHOICE

SURPRISE

HYBRID sweet corn excels in three ways: Heavier yield, more even maturity, and resistance to Stewart's disease, and other troubles. Any open pollinated corn will mature unevenly and give edible ears from one planting over a longer period, which some may prefer. Our list has been revised to offer the best of both hybrid and open pollinated types, as proved by exhaustive tests in our trials.

A packet plants 40 hills; a pound, 400 hills; 12 lbs. an acre.

Sow two weeks before frost proof date, seeds two inches deep, three inches apart; to be thinned out to six inches; or six seeds to a hill, 2 to 3 feet apart according to variety's height, thinning to three plants per hill. Time succession sowings, two weeks apart.

Sweet Corn All Summer 25c

Collection No. 22. One Packet each, Earliest Golden Sweet, Early Golden Bantam, and Bantam Evergreen, prepaid for 25c. ½ lb. each, 50c; 1 lb. each, 85c.

OPEN POLLINATED YELLOW

★**Golden Bantam.** Matures in about 80 days. The tender sweetness of an ear of true Golden Bantam, picked just after it turns yellow and served in half an hour, has never been excelled. To maintain this supreme quality, however, requires constant vigilance, and there is great variation in the seed sold under this name. Our strain is grown on our Michigan farm, where it is selected for size, uniformity and flavor, and runs much larger than the usual type, and has better flavor. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 75c.

★**Extra Early Golden Bantam.** Matures in about 72 days. Prices are same as Golden Bantam.

★**Earliest Golden Sweet.** Matures in about 53 days. To produce an earlier variety with the quality of Golden Bantam we have worked many years, and this is the best of many tested. It gives you Bantam quality twelve days earlier. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 75c.

★**Vaughan's Bantam Evergreen.** 85 days. A product of Golden Bantam crossed with Stowell's Evergreen. It has retained much of the quality of Bantam and has the size and tender skin of Evergreen. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 75c.

★**Whipple's Early Yellow.** About 87 days. A 14 rowed ear, 7 to 8 inches in length. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 75c.

★**Golden 60-Day.** 68 days. It is bred from 60-Day White crossed with Golden Bantam. Except for color, same as 60-Day. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 75c.

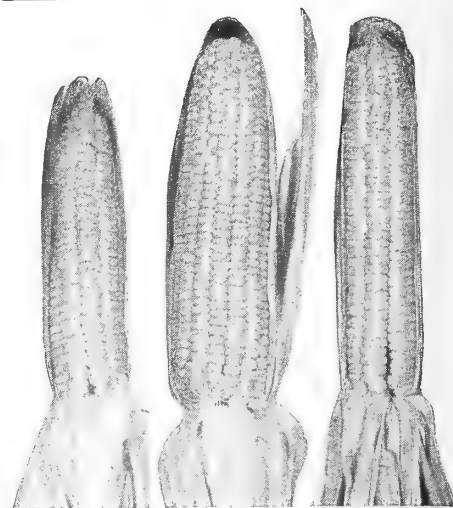
★**Golden Midget.** 70 days. See page 5. Pkt., 35c.

★**Vaughan's Black Sugar or Black Mexican.** About 85 days. Selected for large ears and high sugar qualities. Ears 10 rowed, 8 inches long. Pkt., 10c; ½ lb., 25c; lb., 45c; 2 lbs., 85c.

OPEN POLLINATED WHITE

★**Howling Mob.** 83 days. A large-eared fine second early. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 75c.

★**Early Evergreen.** About 75 days. It is earlier than Stowell's Evergreen bred for northern localities. Pkt., 10c; ½ lb., 25c; lb., 45c; 2 lbs., 85c.



GOLDEN
SWEET

BANTAM
EVERGREEN

EARLY GOLDEN
BANTAM

★**Country Gentleman.** About 95 days. Kernels crowded together on the cob. Deliciously tender and sweet. Pkt., 10c; ½ lb., 25c; lb., 45c; 2 lbs., 85c.

★**Stowell's Evergreen.** About 95 days. The standard main crop variety. The stalks grow 7 to 8 feet high, and bear ears 8 inches long, with 16 or more rows of the finest sugary grains. Pkt., 10c; ½ lb., 25c; lb., 45c; 2 lbs., 85c.

Two Pounds Prepaid

Catalog prices of peas, beans and sweet corn include prepayment on lots up to and including 2 pounds. For postage charges on larger lots, see Page 104.

Vaughan's Seed Store 65

Salad and Pickling Cucumbers

TWO distinct types of cucumbers are bred to fill the need for large fruits suitable for slicing to serve in salads, and the smaller, uniform, prolific, pickling varieties. Our special strains in both types are grown with the greatest care to insure that all standards of quality are maintained in your crop. Quantity needed for 20 hills, 1 pkt.; 80 hills, 1 oz.

Home gardeners will have no trouble in producing from our strain fruits that excel in table quality. We recommend especially Mandarin, our new Chinese, earliest as well as of the highest quality, and the Vaughan, largest of outdoor varieties.

Sow in hills three to six feet apart; six seeds $1\frac{1}{2}$ inches deep to a hill, thinned three plants. Protect small plants from beetles. Water when needed, and keep vines picked clean.

★**The Vaughan.** Matures in about 74 days. The largest of outdoor cucumbers, it is also of first table quality. Compared to other Long White Spine varieties, it is much darker in color, more uniform in shape and size, thinner, and more prolific. It is the ideal American forcing variety, as well as an outdoor sort. Pkt., 10c; oz., 45c; $\frac{1}{4}$ lb., \$1.25.

★**"A and C." Colorado.** 68 days. A beautifully long, slender, dark green cucumber of excellent shape and intense dark color which is maintained longer than in any other variety. Fruit is inclined to taper, especially at stem end. Seeds form late in season and are few. Pkt., 10c; oz., 45c; $\frac{1}{4}$ lb., \$1.25.

★**Straight Eight.** 60 days. A white spine which produces a high percentage of fruits perfectly straight, and 8 or more inches long. Pkt., 10c; oz., 45c; $\frac{1}{4}$ lb., \$1.25.

★**Mincu.** Matures in about 45 days. Its fruits averaging $4\frac{1}{2}$ inches long by 2 inches in diameter are suitable both for salad slicing and pickling. It bears from 8 to 10 fruits within a foot of the hill. Pkt., 10c; oz., 45c; $\frac{1}{4}$ lb., \$1.15. See back cover.



CUCUMBER MINCU. Pkt., 10c.

★**Mandarin.** 45 days. Earliest of all. Finest of all cucumbers for the home garden. In addition to being the earliest quality variety, it has been proved to be resistant to the blight, due to its Chinese ancestry. Even the smallest vegetable plot can produce it in abundance without sacrificing ground space, by letting the vines climb a trellis or fence. It bears for a long season; two plantings, 20 days apart, will furnish the table with salad cucumbers all summer. Even the 12-inch long fruits need no special support when the vines climb. Pkt., 15c; oz., 45c; $\frac{1}{4}$ lb., \$1.25.

★**Improved Long Green.** In 68 days. Used for yellow chunk pickles. The vines are vigorous and productive; the fruit (12 inches long) has a distinctive flavor. Pkt., 10c; oz., 45c; $\frac{1}{4}$ lb., \$1.15.

★**Vaughan's Improved Arlington White Spine.** About 60 days. A heavy yielding, symmetrical, straight, 7 to 10 inches long. A great favorite in the south. Pkt., 10c; oz., 35c; $\frac{1}{4}$ lb., 95c.

★**Davis Perfect.** 65 days. Fine length, slim, dark green and crisp. The best blight resister of long sorts. Pkt., 10c; oz., 45c; $\frac{1}{4}$ lb., \$1.15.

★**Early Fortune.** In 64 days. Medium length White Spine, much planted in the south. Pkt., 10c; oz., 35c; $\frac{1}{4}$ lb., 95c.

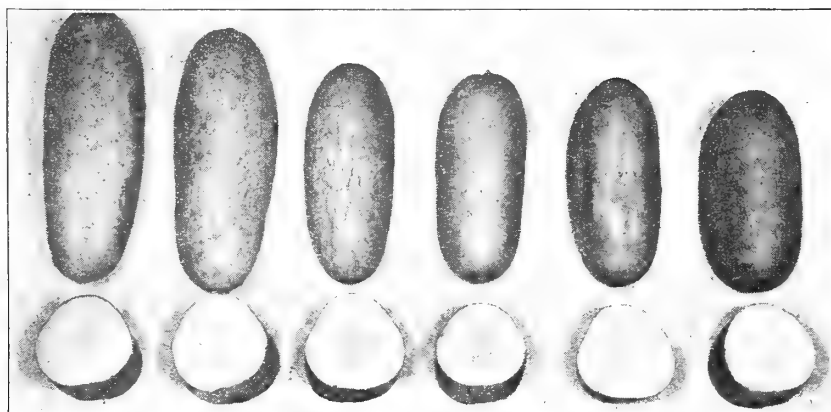
RESISTANT CUCUMBERS

★**Shamrock Resistant.** 65 days. Resistant to Mosaic, early, uniform and satisfactory as a slicer or small pickler. A white spine variety 6 to 8 in. long. Pkt., 10c; oz., 45c; $\frac{1}{4}$ lb., \$1.15.

★**Japanese Climbing.** About 68 days. This is quite resistant to disease and insects. It is good quality and of dark green. Pkt., 15c; oz., 45c; $\frac{1}{4}$ lb., \$1.15.



At left, CUCUMBER STRAIGHT EIGHT; in center, COLORADO or "A and C;" right, THE VAUGHAN. Each variety, Pkt., 10c; oz., 45c.



PICKLE CUCUMBERS, left to right: CLIMBING, EARLY CLUSTER, CHICAGO PICKLE, DOUBLE YIELD, NATIONAL, BOSTON.

PICKLING VARIETIES

★**Quick Grow.** 48 days. A pickle type similar to Chicago Westerfield in size and shape, but a week or ten days earlier. It usually matures its crop before the early blight appears. Pkt., 10c; oz., 45c; $\frac{1}{4}$ lb., \$1.15.

★**Westerfield's Chicago Pickle.** 58 days. Since we first introduced this pickle years ago, it has been a distinguished success. When ripe the fruit is medium size, blunt at both ends, has prominent black spines. Pkt., 10c; oz., 30c; $\frac{1}{4}$ lb., 85c; lb., \$2.50.

★**National.** About 56 days. The type is shorter than the Chicago Pickle and the fruit being smaller, blight does not sap the strength of the vine. Pkt., 10c; oz., 30c; $\frac{1}{4}$ lb., 85c; lb., \$2.50.

★**Green Prolific or Boston Pickling.** In about 58 days. Smooth, symmetrical pickle, very early and productive. Pkt., 10c; oz., 30c; $\frac{1}{4}$ lb., 85c.

★**West India Gherkin (Burr Pickle.)** About 60 days. A small oval prickly sort, distinct from others. Use when young. Pkt., 10c; oz., 45c; $\frac{1}{4}$ lb., \$1.25.

★**Marketer.** 60-65 days. A vigorous, extremely prolific variety bearing fruits uniform in size with slightly tapered ends, and dark green color. Pkt., 15c; oz., 45c; $\frac{1}{4}$ lb., \$1.40.

★**Cubit.** 60 days. A white spine variety producing a dark green cylindrical fruit with blunt ends, 7-8 inches long, excellent for slicing as well as pickling. Heavy yielding, uniform in size, color and quality. Pkt., 10c; oz., 35c; $\frac{1}{4}$ lb., \$1.00.

SEEDLESS CUCUMBERS

Cucumbers without seed, obtained by spraying blossoms with SEEDLESS SET hormone, are not only superior in quality, but remain much longer in top condition. Apply with any sprayer to flowers of tomatoes, cucumbers, peppers, egg plants. Fruits produced by blossoms fertilized by spray are seedless, of premium quality. Developed by famous Boyce-Thompson Institute. $\frac{1}{2}$ oz., treats 100 plants, \$1.00; 2 oz., \$2.50; 20 oz. \$7.50, all prepaid.

Early Melons for Home Gardens

TO ONE who has tasted a Vaughan's Milwaukee Market or Hearts of Gold muskmelon ripened on the vine, quality in muskmelons has a new meaning. In no other crop does quality respond more quickly to careful breeding. Our special strains are selected for size, color, flavor and thick flesh.

Since even light frosts kill melon plants, and seeds do not germinate well until the ground is warm, only early varieties succeed in the northern states. Seeds may be sown in pieces of turf, or in pots, and started in a hot-bed or cold frame to get earlier fruits, but must be transplanted to the garden without disturbing their roots.

Remember, muskmelons must ripen on the vine. Except the Honey Dew, they do not improve after picking. **Quantity needed for 20 hills, 1 pkt.; 100 hills, 1 oz.**

Grow in light soil, in full sun, where plants can be watered. Sow in hills, five or six feet apart each way, six seeds $1\frac{1}{2}$ inches deep to a hill, thinning out to 3 plants.

***Pride of Wisconsin.** 85 days. This has the desirable characteristics of the Honey Rock and grows well in heavy soil. The rind is very hard, of a pearly gray color, with but a faint rib, heavily covered with a distinctive netting. The flesh is unusually thick with good flavor. Pkt., 15c; oz., 45c; $\frac{1}{4}$ lb., \$1.35.

***Vaughan's Milwaukee Market.** Matures in about 80 days. This is a large melon averaging 8 in. in diameter, with a small seed cavity and thick salmon flesh, which has the sweetest, most delicious flavor and the finest texture of any we know. It does not stand shipping. Its original quality has been increased by breeding from hand-cut, inspected melons. Pkt., 15c; oz., 45c; $\frac{1}{4}$ lb., \$1.35.

Bender's Surprise. 90 days. Large, thick-fleshed, heavily netted. Its flavor is wonderfully sweet, with almost no stringiness. Grows well in heavy soils. Pkt., 10c; oz., 35c; $\frac{1}{4}$ lb., 85c.

Schoon's Hardshell. (New Yorker.) 90 days. A new and excellent salmon fleshed Melon of wonderful flavor. Similar to Bender's Surprise in shape and appearance, its difference lies mainly in its extra hard shell, which makes it fine for shipping. Its ripened fruit will keep better after harvest and in the field than most varieties. The fruits are almost round $5\frac{1}{2}$ in. in diameter and average near 3 lbs. Pkt., 15c; oz., 45c; $\frac{1}{4}$ lb., \$1.35.

Tip Top. 96 days. It is yellow-fleshed, sweet, juicy; of finest flavor. A strong grower and yielder. Pkt., 10c; oz., 35c; $\frac{1}{4}$ lb., 85c.

***Hearts of Gold.** 80 days. For the home garden with heavy soil, this is a most delicious variety. It has a flavor all its own, and never surpassed. In size it is just right, 5 to 6 inches in diameter, almost a sphere, with small seed cavity, well netted with shallow sutures. Pkt., 15c; oz., 35c; $\frac{1}{4}$ lb., 85c.

Honey Rock (or Sugar Rock). 85 days. A sweet melon with thick orange flesh and a distinctive flavor, suggesting the Honey Dew taste. It produces heavily and is the earliest quality variety. Oval fruits of medium size. An excellent home garden variety. Pkt., 10c; oz., 35c; $\frac{1}{4}$ lb., \$1.00.

Hale's Best. 86 days. This is the improved Hale's Best type of outstanding merit. It not only is resistant to mildew and the ideal melon for shipping but is rapidly becoming a leader in other sections wherever Hale's Best is grown. The shape is oval, the size is medium with heavy net and a faint stripe which insures earliness. Pkt., 10c; oz., 35c; $\frac{1}{4}$ lb., 85c.

Vaughan's Select Early Osage. About 84 days. Not as large as Osage, but of equal quality. Pkt., 10c; oz., 35c; $\frac{1}{4}$ lb., 85c.

Banana. In 98 days. Cucumber shape. Delicious odor. A novelty melon for the home garden. Pkt., 10c; oz., 35c; $\frac{1}{4}$ lb., 85c.

THE ROCKY FORD TYPE

Rocky Ford Netted Gem. About 96 days. Of the green-fleshed muskmelons, Rocky Ford is the recognized standard of excellence. Pkt., 10c; oz., 35c; $\frac{1}{4}$ lb., 85c.

Pollock. 10-25. About 98 days. Salmon tint. Pkt., 10c; oz., 35c; $\frac{1}{4}$ lb., 85c.



MUSKMELON SCHOON'S HARDSHELL. Pkt., 15c.

Honey Dew. 110 days. An old-time French melon imported by Vaughan's Seed Store for a melon specialist in Michigan; later found of good commercial value. Honey Dew is best when quite ripe. Unlike other melons, it grows sweeter after being picked. Pkt., 10c; oz., 35c; $\frac{1}{4}$ lb., 85c.

Cranshaw Muskmelon. About 90 days. A very productive large salmon pink fleshed and somewhat pear shaped melon. Dark green when immature, yellow when ripe. One of the few melons to improve its flavor in storage after picking. Quality is excellent. Pkt., 25c.



DIXIE QUEEN. Pkt., 10c; oz., 35c; $\frac{1}{4}$ lb., 85c.

Newest and Earliest Watermelons

WATERMELONS may be grown under favorable conditions in the north though they require 100 to 120 days to mature. Soil such as will mature good muskmelons is needed, with plenty of hot weather and no lack of water. Room for the vines to wander is required, preferably 8 to 10 feet between hills both ways. Avoid lifting the vines and use only hand tools in cultivation. **Quantity needed for 8 hills, 1 pkt.; 25 to 30 hills, 1 oz.**

***Stone Mountain.** 82 days. A new round melon having red flesh free from stringiness. Very productive and excellent for home use. Pkt., 10c; oz., 35c; $\frac{1}{4}$ lb., 90c.

***Stone Mountain Resistant No. 5.** 85 days. Pkt., 10c; oz., 35c; $\frac{1}{4}$ lb., 90c.

***Ice Box.** 70 days. It is desirable to have a melon that will go in the ice box without having to be cut. This round melon is about six inches in diameter, is early, hardy and of excellent flavor. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 65c.

Cole's Early. 80 days. The northern states, favorite. The flesh is rich, deliciously sweet and crisp. It is about 20 inches long, 12 inches through; not a good shipper. Pkt., 10c; oz., 35c; $\frac{1}{4}$ lb., 90c.

***Dixie Queen.** 85 days. The latest. It is semi-round, has very thin rind but stands shipping. Has white seed and deep red flesh. One of the sweetest. Pkt., 15c; oz., 45c; $\frac{1}{4}$ lb., \$1.25.

Golden Honey. 90 days. Best yellow fleshed melon. Oblong, brown seed, flesh a sparkling gold, attractive and delicious. Rind dark green with faint irregular stripe. Pkt., 10c; oz., 35c; $\frac{1}{4}$ lb., 85c.

Black Lee. 90 days. A New Wilt Resistant variety of vigorous growth, medium size, weight about 35 lbs., with a thin tough, dark, rich green rind. A good long distance shipper, fruits smooth, elongated, blocky and symmetrical. Pkt., 15c; oz., 45c; $\frac{1}{4}$ lb., \$1.25.

***Red Russian.** Or Early Kansas. 85 days. Flesh very deep pink, brown seeds, thin rind and very solid center. Pkt., 10c; oz., 30c; $\frac{1}{4}$ lb., 75c.

Florida Giant (Cannonball). 95 days. The largest melon of good quality, often reaching 50 pounds in weight, good for shipping and for home gardens where the season is long enough. Dark green, solid pink flesh, seed dark brown to black. Vigorous and productive. Pkt., 10c; oz., 35c; $\frac{1}{4}$ lb., \$1.00.

Early Ovid. 75 days. Very similar to Red Russian, darker green, bright red flesh with black seeds. Pkt., 10c; oz., 35c; $\frac{1}{4}$ lb., 90c.

Tom Watson. In 92 days. The flesh is rich red; tenderly melting. Pkt., 10c; oz., 35c; $\frac{1}{4}$ lb., 90c.

Sweet Siberian. In 80 days. A very early variety of medium size, with yellow flesh of superb quality. Pkt., 10c; oz., 35c; $\frac{1}{4}$ lb., 85c.

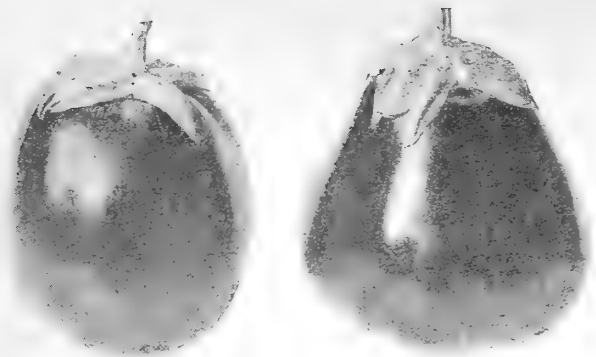
Irish Gray. In 90 days. A mottled greenish gray, equal of any. Pkt., 10c; oz., 35c; $\frac{1}{4}$ lb., 90c.

Wilt Resistant Kleckley's No. 6. 92 days. Pkt., 10c; oz., 30c; $\frac{1}{4}$ lb., 75c.

Citron. In 90 days. For preserves. Red or green seeded. Pkt., 10c; oz., 35c; $\frac{1}{4}$ lb., 90c.

Winter Watermelon. 85 days. Like Honey Dew in size and long-keeping qualities. Prolific, and excellent flavor. Pkt., 10c; oz., 35c; $\frac{1}{4}$ lb., 85c.

Klondike Resistant No. 7. 90 days. A Fusarian Wilt Resistant, dark green Klondike. Vine vigorous and prolific, flesh bright red with thin tough rind, excellent for shipping. Pkt., 10c; oz., 35c; $\frac{1}{4}$ lb., \$1.00.



BLACK BEAUTY

IMPROVED NEW YORK PURPLE

Egg Plant

EGG plant likes a rich, loamy soil. Plants should be set out in the garden as soon as danger of frost has passed, in rows three feet apart, the plants two feet apart. Our special strains excel in uniformity, flavor and yield.

Florida High Bush. 85 days. Plants are well branched holding their large deep purple oval fruits well off the ground. Hardy, and resistant to disease. Pkt., 15c; ½ oz., 45c; oz., 85c; ¼ lb., \$2.65.

Fort Meyers Market. 80 days. A vigorous, productive high bush variety. Fruits 9-10 inches long, by 5½-6½ in diameter. Pkt., 15c; ½ oz., 45c; oz., 85c; ¼ lb., \$2.65.

Black Beauty. 80 days. It is oval in shape, uniformly the darkest in color. Perfectly spineless and smooth; has beautiful, rich purple color and handsome lustre. Pkt., 15c; ½ oz., 45c; oz., 85c; ¼ lb., \$2.65.

New Hampshire Hybrid. 70 days. An early market variety developed by Dr. J. R. Helper, New Hampshire Experiment Station, to produce a good crop in short season areas, with fruits round to olive shaped. Pkt., 15c; ½ oz., 45c; oz., 85c; ¼ lb., \$2.65.

Improved New York Purple. About 83 days. Plants grow low, stalky and branching, are early and almost continuous bearing; fruits are satiny smooth, rich purple color and large. Pkt., 15c; ½ oz., 45c; oz., 85c; ¼ lb., \$2.65.

Minnoval. 72 days. One of the earliest, it has firm, dark purple oval fruits, 6x7 inches, produced abundantly over a long season. Pkt., 15c; ½ oz., 45c; oz., 85c; ¼ lb., \$2.65.

Celeriac

TURNIP ROOTED CELERY

This vegetable deserves much wider cultivation. Cooked and prepared as a salad, it has a rich celery flavor. The roots keep well in winter—recipes for preparing enclosed upon request.

Large Smooth Prague. About 120 days. A main crop variety. Pkt., 10c; ½ oz., 40c; 1 oz., 75c; ¼ lb., \$2.25.

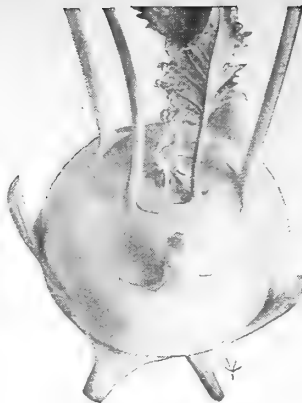
Oyster Plant (Salsify)

THOUGH not as generally grown as it should be, this is, when cooked, a really delicious vegetable, surpassing in richness of flavor both carrots and parsnips. It acquires a decided oyster flavor after a good frosting. Roots for winter use should be lifted in the fall, while those for early spring use may be left in the ground over winter.

Mammoth Sandwich Island. This variety is much more uniform in growth than the old standard "Long White" variety; it is twice the size and weight; the roots are of superior quality and most delicate flavor. Pkt., 10c; ½ oz. 35c; oz., 65c.

GARDEN HUCKLEBERRY

This is a novelty, well described by the above name, which bears racemes or bunches of blackberries, ½ inch in diameter, which make excellent pies and preserves. To serve in pie or sauce, sweeten with syrup made of 1 part sugar to three parts water. As these berries lack acidity, add lemon juice or cook with sour apples, or rhubarb. The bushes are about 3 feet tall. Cultivation is the same as with the tomato, of which this plant is a distant cousin. Pkt., 15c; ½ oz., 50c; oz., 90c



VIENNA KOHLRABI EARLY WHITE. Pkt., 10c.

Kohlrabi

Sow in April or May, in rows, thin to 8 inches. The globular fruits grow above ground, are stripped and cooked like turnips, but are much sweeter.

55 days. White and tender. Pkt., 10c; ½ oz., 25c; oz., 45c.

Early Purple Vienna. About 55 days. Pkt., 10c; ½ oz., 25c; oz., 45c.

Tobacco Seeds

Big Havana. A hybrid Havana. Pkt., 10c; ½ oz., 40c; oz., 75c.

Connecticut Seed Leaf. Best adapted to climate of middle and northern states. Pkt., 10c; ½ oz., 40c; oz., 75c.

Burley. The popular Kentucky sort. Pkt., 10c; ½ oz., 40c; oz., 75c.

Rhubarb

Mammoth. Vigorous and productive; stalks fifteen inches long. Pkt., 10c; oz., 35c; ¼ lb., \$1.00.

Victoria. A popular red strain. Pkt., 10c; oz., 35c; ¼ lb., \$1.00.

Rhubarb Roots. Set in spring they will furnish leaf stalks the following year. (If wanted by mail, add 10c for 1 or 3 roots, 13c for 10 roots for postage and packing).

Chapman's Canada Red. Stems dark red clear to heart. Makes a sweet, fine flavored, beautiful red sauce. Divisions. 90c; 3 for \$2.40; 10 for \$7.50.

McDonald Crimson Divisions. Bright red stalks, low acidity, thin skin, fine grain and fruity flavor. Each, 75c; 3 for \$2.00; 10 for \$6.00.

Victoria, 1 year. 35c; 3 for 75c; 10 for \$1.50; 2 years, each, 50c; 3 for \$1.00; 10 for \$2.50.

If wanted by parcel post, add 10c for 1 to 3 roots, 13c for 10 roots.

Rutabagas

Mature in 90 days

Is a strain of Purple Top. Largest size, best shaped variety, small neck, smooth skin; good cropper and keeper. A heavy yielder. Excellent table quality. Pkt., 10c; oz., 20c; ¼ lb., 35c.

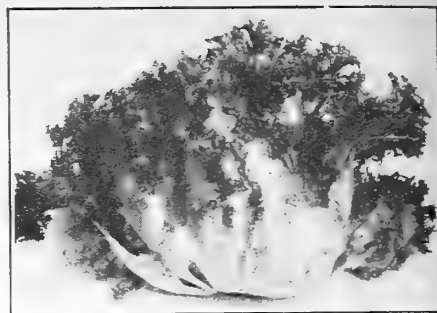
Laurentian. A purple top globe having rich yellow flesh, one of the deepest globes and free from excess roots. Pkt., 10c; oz., 20c; ¼ lb. 35c.

Canadian Gem. Round medium size, quick growing, purple top, yellow flesh. It resists mildew and is of excellent flavor. Pkt., 10c; oz., 20c; ¼ lb., 35c.

Horseradish Sets

Horseradish. The roots produce good radish, fit for use in one season's growth. Plant roots in trench, pressing small end down, and cover with 3 to 4 inches of soil. Raise the plant once in the early season, without disturbing the tap root end, and rub off all excess rootlets, recovering the plant as fast as accomplished. Doz., 50c; 100, \$2.50; 1,000, \$20.00.

Endive and



BROAD LEAVED BATAVIAN WHITE ESCAROLE. Pkt., 10c; oz., 25c; ¼ lb., 65c.

ENDIVE is a delightful autumn and winter salad. Sow seed from middle of June to the end of August. Frost improves the flavor.

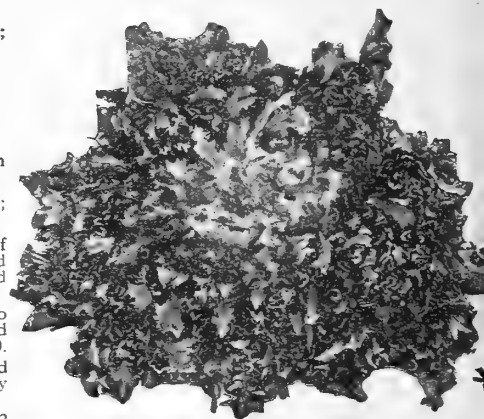
★Broad Leaved Batavian White Escarole.

(Florida Full Heart.) 92 days. Of the straight, smooth leaf Batavian type, this variety has the largest number of heart leaves and the finest salad quality of any we have tried. It grows upright, resists drought, and when tied up for bleaching it produces a cluster of creamy, tender, spicy leaves which are easily prepared for serving. Pkt., 10c; oz., 25c; ¼ lb., 65c.

95 days. Similar to Full Hearted Escarole. It has a deeper heart and is more easily blanched. Pkt., 10c; oz., 25c; ¼ lb., 65c.

★Florida Deep Heart. Full Hearted Escarole. Pkt., 10c; oz., 25c; ¼ lb., 65c.

Cos Endive. A new variety worth trying. Pkt., 10c; oz., 25c; ¼ lb., 65c.



ENDIVE GREEN CURLED Pkt., 10c; oz., 25c.

Green Curled. In 70 days. Standard variety for fall and winter. Finely divided leaves make the plant appear mossy, and when centers are blanched it is most beautiful. Pkt., 10c; oz., 25c; ¼ lb., 65c.

Moss Curled. Pkt., 10c; oz., 25c; ¼ lb., 65c.

Rose Ribbed Curled. In 75 days. Has leaf ribs of red. Pkt., 10c; oz., 25c; ¼ lb., 65c.

Ever White Curled. About 75 days. Very crisp. Pkt., 10c; oz., 25c; ¼ lb., 65c.

Chicory

Witloof (French Endive). In about 150 days. A European delicacy now standard in all best hotels and restaurants in the U. S. It is easily grown. Sow in spring; store parsnip-like roots in sand until wanted for growing on in winter; directions on packages. Pkt., 10c; ½ oz., 30c; oz., 50c.

Large Rooted Magdeburg. 65 days. Roots are cut in thick slices, roasted and used as coffee; in spring leaves make good salad. Pkt., 10c; ½ oz., 30c; oz., 50c.

55 days. Cultivated for its fresh green shoots, which are boiled in salt water and served hot, or in cold salad. New sprouts continually spring from the base, to be harvested and enjoyed. Pkt., 10c; ½ oz., 30c; oz., 50c.

Lettuce for Salads

TASTY bowl salads not only delight the palate, but when made with green leaves, are rich in Vitamin A and other dietary necessities. Home gardeners may plan their sowings so as to have bowl salad materials throughout the season. Besides lettuce, endive of both curly and broad-leaved types (Escarole) are excellent, as are cress and Fennel. Heading varieties of lettuce may not head readily in hot weather sections, but they grow rapidly and produce an abundance of leaves. Says Emile Foially, salad chef of the Hotel Sherman's famous College Inn, Chicago: "Leaf lettuce and romaine are far more tender and better flavored; and take the salad dressing perfectly, which is important. And the doctors say their green leaves have more vitamins. What a combination!" Quick growth is essential for all leaf crops. Quantity needed to sow: 30 ft., 1 pkt.; 250 ft., 1 oz.

Sow as soon as soil can be prepared, 1/2-inch drill, 5 seeds to an inch. Feed well, to make it grow fast. Thin out first to stand an inch apart; then use alternate plants until leaf varieties stand 8 inches, heading varieties 12 inches apart. Make succession sowings to prolong harvest.

LEAF LETTUCE

★**Black Seeded Simpson.** Matures in about 46 days. Its large rich green leaves are thin, tender and crisp, forming a loose head. It is one of the most vigorous varieties in hot weather and slow to seed. It is especially adapted to the home garden.

Vaughan's Selected Stock. Pkt., 10c; oz., 30c; 1/4 lb., 70c

★**Oak Leaf.** 40 days. Since we revived this excellent old variety it has become the most popular leaf lettuce for home gardens from coast to coast. The rich dark green of its leaves, its tenderness, and resistance to hot weather, are all outstanding. We consider it best of the leaf type for home gardens. Pkt., 20c; 1/2 oz., 40c; oz., 70c.

★**Bronze Beauty.** 40 days. Bronze medal, 1946 All America Trials. This may be described as Oak Leaf with a bronze tinge in its leaves; a characteristic which is accompanied by superior resistance to hot weather. As early as Oak Leaf, and equally tender, with a delightful nutty flavor, it grows in a loose head. Its leaves, of Oak Leaf shape, bleach to cream in the heart, and the soft green of the tips is suffused with ruddy bronze. Pkt., 25c.

★**Grand Rapids.** About 45 days. This home garden favorite, also extensively planted for hotbed or greenhouse growing. The leaves are light green, daintily curled, tender, crisp, delicious. Our selected stock has been bred to a high degree of uniformity in type and season.

Vaughan's Extra Selected Stock. Pkt., 10c; oz., 35c; 1/4 lb., \$1.00.

★**Ohio Grand Rapids (Washington Strain).** Like the original strain except that leaves are very dark green, indicating rich vitamin A value. Pkt., 10c; oz., 35c; 1/4 lb., \$1.00.

★**Grand Rapids Resistant.** Pkt., 10c; oz., 35c; 1/4 lb., \$1.00.

★**Early Curled Simpson.** About 40 days. A white seeded leaf lettuce of excellent quality. Pkt., 10c; oz., 30c; 1/4 lb., 70c.

HEAD LETTUCE

★**Cosberg 600.** 65 days. This is an early sure heading lettuce under adverse conditions. A smaller head than Hanson or Iceberg. Has light green leaves with no bronzing effect. Pkt., 10c; 1/2 oz., 25c; oz., 45c; 1/4 lb., \$1.35.

★**Iceberg.** Matures in about 84 days. This makes a small head which is the tightest of any variety we know, and it resists hot weather well. It is an excellent home garden variety and entirely distinct from New York, which is sometimes called Iceberg. Pkt., 10c; oz., 35c; 1/4 lb., \$1.00.

★**Improved Hanson.** 80 days. This globe-shaped variety excels with vigorous growth in hot weather. It has broad leaves, beautifully crinkled, tender and sweet. The outside leaves are a deep green, and the inner ones almost white. Pkt., 10c; oz., 30c; 1/4 lb., 80c.

★**Hansonette.** 80 days. Foliage dark green, more frilled than Grand Rapids, forming a closer folding head than other loose heading types. Excellent flavor, resists heat and remains free from bitterness. Pkt., 10c; 1/2 oz., 25c; oz., 45c; 1/4 lb., \$1.25.

★**Bibb.** 57 days. Rather small head used as forcing lettuce in the South and shipped to the northern hotels where it has a reputation for its excellent quality. Leaves smooth, dark green. Pkt., 20c; 1/2 oz., 30c; oz., 50c.

★**California Cream Butter.** About 75 days. One of the best summer varieties, large solid heads, buttery flavor. Pkt., 10c; oz., 30c; 1/4 lb., 75c.

★**Crisp as Ice.** 74 days. Small dark green head overlaid with dark brown crumpled leaves, does not get bitter in hot weather. Pkt., 10c; 1/2 oz., 25c; oz., 45c; 1/4 lb., \$1.25.



EXPRESS
COS.
Pkt., 10c.

HEAD LETTUCE—Cont.

★**May King.** 60 days. Very early variety. The outer leaves are tinged with brown; they fold close, permitting close planting in frames—tender yellow heart. Pkt., 10c; oz., 35c; 1/4 lb., 85c.

★**Mignonette.** 67 days. Compact, loose heading, medium size, crisp dark green leaves edged brown. Leaves frilled, head globular, firm, excellent quality. A very popular lettuce. Pkt., 10c; 1/2 oz., 25c; oz., 40c; 1/4 lb., \$1.15.

★**Prizehead.** 45 days. A popular, loose heading sort. Leaves crumpled, shaded brown; crisp, sweet and tender. Pkt., 10c; oz., 30c; 1/4 lb., 70c

★**Vaughan's Big Boston.** 75 days. Large heads of bright green leaves, very tender. Pkt., 10c; oz., 25c; 1/4 lb., 65c.

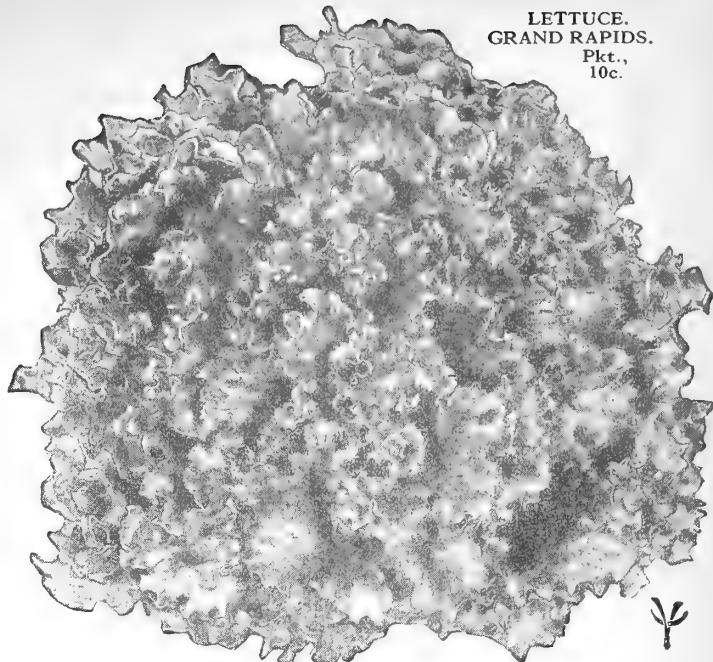
CALIFORNIA TYPE

★**Great Lakes.** 75 days. A tight heading variety of the Imperial type bred to produce mature heads in the hot summer weather of the middle west. It is slow to run to seed but needs fertile soil, and ample spacing in the garden row. Pkt., 15c; 1/2 oz., 40c; oz., 70c; 1/4 lb., \$2.00.

★**Imperial No. 456.** 80 days. Developed by Cornell Experiment Station as a variety suitable for those who wish to grow head lettuce in July and August. Of the Imperial type and said to withstand high temperatures and tipburn better than Imperial No. 44. Pkt., 15c; 1/2 oz., 40c; oz., 70c; 1/4 lb., \$2.00.

★**New York No. 12.** Matures in about 80 days. This is the variety grown in California and shipped the year around to eastern markets. It often weighs two pounds, stands hot weather well. We offer the highly selected strain known on the Pacific Coast as No. 12. Seed should be started indoors and the seedling plants can be set out when true leaves have been formed. Pkt., 10c; 1/2 oz., 25c; oz., 40c; 1/4 lb., \$1.15.

LETTUCE.
GRAND RAPIDS.
Pkt.,
10c.



★**New York No. 515.** Matures in about 80 days. This is a cross between New York and Iceberg bred for resistance to tip burn. Excellent for the home or market garden. Pkt., 10c; 1/2 oz., 25c; oz., 40c; 1/4 lb., \$1.15.

★**Imperial No. 44.** 82 days. The latest introduction in blight resistant types. Heads a little earlier than 847 and is a little more curled. Pkt., 10c; 1/2 oz., 25c; oz., 40c; 1/4 lb., \$1.15.

★**Imperial No. 847.** 84 days. A heat resistant strain which will withstand unfavorable weather conditions as well as Imperial No. 44. It grows larger, retaining its marketable qualities longer than most, and has an excellent flavor. We highly recommend this variety for mid-western growing. Pkt., 10c; oz., 40c; 1/4 lb., \$1.15.

ROMAINE OR COS LETTUCE

THIS type of lettuce forms upright loose folding heads, and the inner leaves bleach white. It is usually preferable to tie up the heads to assist bleaching. Esteemed the finest of lettuces in flavor.

★**Express Cos.** In 70 days. A Vaughan introduction. The most dwarf and earliest of all. Delicious flavor. Self-closing. Pkt., 10c; oz., 30c; 1/4 lb., 80c.

★**Paris White or Trianon.** In 75 days. Grows to large size. Self-closing. Pkt., 10c; oz., 30c; 1/4 lb., 80c.

FAST GROWING FOR POULTRY

★**New Chicken Lettuce.** About 48 days. Here is a genuine lettuce which will yield as much or more chicken or rabbit feed as any "greens" plant. When cut it starts at once to grow again. The leaves can be pulled off each stem like a kale. Pkt., 10c; oz., 30c; 1/4 lb., 75c

Other Salad Leaves

★**Upland Cress.** About 65 days. Has highly prized flavor of Water Cress. Green all year; ready for use before any other salad. Pkt., 10c; 1/2 oz., 20c; oz., 35c; 1/4 lb., \$1.00.

★**Curled Garden Cress.** 65 days. Used with lettuce, it adds an agreeable pungency. Pkt., 10c; oz., 35c; 1/4 lb., \$1.

★**Corn Salad.** 70 days. (Fetticus or Lamb's Lettuce.) A most refreshing salad, hardy, much used in winter in place of lettuce. Sow either in spring or fall. Pkt., 10c; oz., 75c; 1/4 lb., \$1.75.

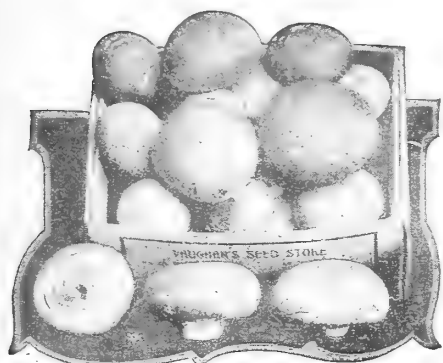
Dandelion

THICK leaf or cabbage variety. Cultivated for spring greens and salads, is fast gaining favor. Unlike common sorts, almost double usual size. Pkt., 10c; 1/2 oz., 30c; oz., 50c.

Fennel

★**Fennel, Florence.** 85 days. Similar to celery, but forming an oval bulb-like enlargement at the base of the stem, which has a pleasing Anise-like flavor, often used in fish sauces. Pkt., 10c; 1/2 oz., 25c; oz., 40c; 1/4 lb., \$1.20.

Grow Your Own Mushrooms



TO GROW a crop of Mushrooms in your own basement cellar or well-built outbuilding—is a home gardening effort worth making. While these are quickly salable, we are sure most of our readers would insist on eating their own crops! The location of the beds must be one where a temperature of 55 degrees to 65 degrees can be kept during cold weather. A barrel may be used in which to confine the manure for growing. A leaflet "How to Grow Mushrooms," FREE with orders for Mushroom Spawn.

PURE CULTURE BOTTLE SPAWN

This spawn is made in glass jars under absolutely sterile conditions, so that every mould, weed seed or insect is destroyed and each bottle contains nothing but pure spawn. One bottle equals 5 bricks of ordinary spawn and is sufficient for 40 square feet.

Per carton.....\$1.25 5 cartons for.....\$5.50

If wanted by Parcel Post allow for postage at zone rate, weight about 1 lb. per bottle.

PURE CULTURE BRICK SPAWN

One brick will spawn 8 to 10 square feet and comes in pure white.

Per brick.....50c 5 bricks for.....\$2.25

If wanted by Parcel Post add postage at zone rate, weight about 1 lb. per brick



OKRA DWARF LONG POD IN OUR TRIALS.
Pkt., 10c.

Okra

OKRA pods are used in soups, stews and salads. It is a hot weather plant, but can be grown in the North much like corn, the plants being started indoors in paper pots. The pods should be gathered each day while still tender and pulp.

Quantity needed for 15 ft., 1 pkt.; 50 ft., 1 oz.

White Velvet. 70 days. Produces pods larger than any other. Pkt., 10c; oz., 25c; ¼ lb., 60c.

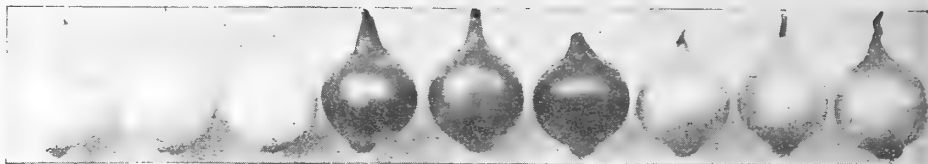
Tall or Perkins Mammoth. 68 days. The long pods, measuring 4 and 5 in., are produced in great quantities. Pkt., 10c; oz., 25c; ¼ lb., 60c.

Dwarf Long Pod. 65 days. Low, stocky and productive, with long pods. Pkt., 10c; oz., 25c; ¼ lb., 60c.

Clemson Spineless. 55 days. Similar to Dwarf Long Pod; a little taller bush, having longer and darker pod. Pkt., 10c; oz., 25c; ¼ lb., 60c.

★—Varieties designated by a star as illustrated on this page are recommended as of especially fine strains and suited to the home garden.

Onion Sets Grow Quickly



WHITE

RED
VAUGHAN'S BOTTOM ONION SETS

YELLOW



The first home garden harvest in the spring is young onions from sets. Spring sets can be put into the ground as soon as it is able to be worked and in a few weeks the delicious young onions are ready to serve on the table. Plantings may be successively late into the summer, as long as the sets remain in good condition.

Use large sets planted 2 inches deep for green onions, smaller one inch deep for mature onions; space the first one inch apart, the second 3 to 4 inches. Plant with the earliest crops.

Quantity needed for 75 to 100 ft., 1 lb.

White Bottoms. Our sets of these are very choice, small, dry and unsprouted. Lb., 30c; 5 lbs., \$1.15; 10 lbs., \$2.25.

Yellow Bottoms. Fine dry sets, medium in size and unsprouted. Lb., 30c; 5 lbs., \$1.15; 10 lbs., \$2.25.

Red Bottoms. Bright, deep red in color, even and dry. Lb., 30c; 5 lbs., \$1.15; 10 lbs., \$2.25.

Golden Globe. Sets. Large yellow globe. Very desirable as a large dry onion for the home garden. A superior keeper. Lb., 30c; 5 lbs., \$1.15; 10 lbs., \$2.25.

Yellow Multipliers. Especially valuable for the first early spring onions. They are very mild and sweet, and there are usually several stalks from a single bulb. Lb., 35c; 5 lbs., \$1.25; 10 lbs., \$2.35.

FOR FALL PLANTING

Egyptian or Red Perennial. For fall planting only. This variety never forms a large bulb; its value lies wholly in its special adaptability to produce green onions for spring or fall use which are perfectly hardy and stay in the ground all the time. We sell in fall only, to be planted for early spring crop. Lb., 30c; 5 lbs., \$1.15; 10 lbs., \$2.25.



EGYPTIAN PERENNIAL SETS (Top Sets)

The pound prices only for Onion Sets shown on this page include Parcel Post prepayment through first three zones. For further zones add 5c per pound.

The largest onions may be grown from sets ½ to ¾ inch in diameter.

BERMUDA ONION PLANTS

These are especially suitable for home gardens. Seed is sown early in Texas, and the plants are lifted, to be replanted in Northern gardens, to produce sweet, mature onions of Bermuda quality. Ready April 1st. Per bunch, 40c, postpaid. Ten bunches, \$3.00, postage extra; weight about 6 lbs.



LEEK ELEPHANT. Pkt., 10c.

Leeks

Leeks are better if transplanted. Use a dibber, set the plant deep in the hole and do not fill it up but let the soil wash in. Leeks are cousins of the onions and their flavor is subtly different when used in stews. All varieties mature in about 130 days.

★**Elephant.** Largest of all leeks. Pkt., 10c; ½ oz., 30c; oz., 50c.

Large Musselburg. Enormous broad leaves, mild flavor. Good exhibition sort. Pkt., 10c; ½ oz., 30c; oz., 50c.

Broad Scotch or London Flag. Hardy; a strong plant, with broad leaves. Pkt., 10c; ½ oz., 30c; oz., 50c.

Large Carentan. Pkt., 10c; ½ oz., 30c; oz., 50c.

Garlic Sets

Selected Bavarian. In about 110 days. Garlic is grown by planting the small bulbs in rows, 4 inches apart in the row. Cover the bulbs with one inch of soil. When the tops turn yellow, lift the bulbs and dry in the shade. To keep for the winter, hang in strings in a dry basement. Lb., 65c; 10 lbs., \$6.00. Postage extra. Write for latest market prices on quantities.

Chives

A perennial herb, a member of the onion family which every garden should grow. The slender, tubular leaves have a delicate onion flavor, just enough to season a green salad when the chopped-up leaves are used. The leaves are used for seasoning. The flowers are a beautiful lavender. Pkt., 15c; ½ oz., 45c; oz., 85c.

Onions for Summer and Winter Use

A SPECIALTY of Vaughan's has long been an onion seed. To illustrate, we carry six distinct strains of Southport Yellow Globe onion. Each of these strains, though of the same general type, have distinct characteristics which commend them to different types of soils and the individual demands of the grower. Our stocks of onion are superior in every respect.

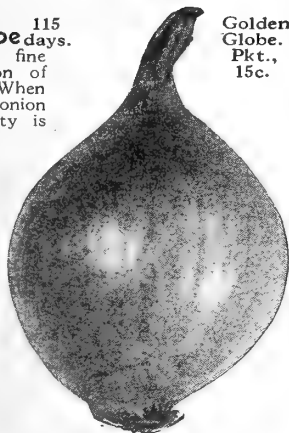
Quantity needed to sow: 25 ft., 1 pkt.; 125 ft., 1 oz.; acre, 6 lbs.

Sow with the earliest crops, in rich soil, in drills $\frac{1}{2}$ inch deep. Thin to 4 inches apart, using discards in green stage. Water when needed. Harvest after tops shrivel and dry in the sun, store in a dry place.

WINTER KEEPERS

★Golden Globe ¹¹⁵ days.

An exceptionally fine yellow globe onion of superior weight. When grown as a dry onion its keeping quality is superior, making it very desirable for the home and market gardener. Has a very deep globe, carrying its greatest diameter well up from the root. Has 3 skins for protection and from seed matures same time as Southport Globe. From sets it matures much earlier. It is a heavy yielder and a fine keeper. Pkt., 15c; $\frac{1}{2}$ oz., 30c; oz., 50c; $\frac{1}{4}$ lb., \$1.45.



Golden Globe. Pkt., 15c.

★Southport Yellow Globe. about 110 days.

For growing on muck soil, this is the best keeping strain we have been able to develop in years of growing and selecting. This is the most uniform strain and will keep in storage longer than any other we know. It is preferred by large onion growers. Pkt., 15c; $\frac{1}{2}$ oz., 30c; oz., 50c; $\frac{1}{4}$ lb., \$1.45.

Southport Red Globe. About 110 days. A little deeper than Southport Yellow Globe, in color a rich dark red. A wonderful keeper with finely bred neck and a heavy yielder. Pkt., 15c; $\frac{1}{2}$ oz., 30c; oz., 50c; $\frac{1}{4}$ lb., \$1.45.

★**"Mountain" Danvers.** 100 days. Slightly smaller than Southport. When aphid damages the late onion crop it does not harm this variety, due to early maturity. Pkt., 15c; $\frac{1}{2}$ oz., 30c; oz., 50c; $\frac{1}{4}$ lb., \$1.45.

Large Red Wethersfield. About 100 days. An onion of very productive habit and a fine keeper. The skin is deep purplish red, which covers a round, somewhat flattened bulb of purplish white flesh. Moderately fine grain and mild flavor. In poor soil it does best, growing a thinner neck than in strong soil. It is standard in its class in the south and southwest. Pkt., 15c; $\frac{1}{2}$ oz., 30c; oz., 50c; $\frac{1}{4}$ lb., \$1.45.

Fancy Yellow Globe Danvers. About 110 days. This is early, almost true globe-shaped, beautiful yellow skin, pure white flesh, of very fine quality. It has a good size, and a fine thin neck. Vaughan's strain is so near to globe shape that it passes for globe on the market. The crop ripens uniformly at one time, and its keeping quality is excellent. Pkt., 15c; $\frac{1}{2}$ oz., 30c; oz., 50c; $\frac{1}{4}$ lb., \$1.45.

Brigham Yellow Globe Onion. 110 days. A Southport Yellow Globe that is among the best in production and keeping qualities. It may be grown successfully on either muck or heavy soil. Pkt., 15c; $\frac{1}{2}$ oz., 30c; oz., 50c; $\frac{1}{4}$ lb., \$1.45.

Vaughan's Ideal White Globe. About 110 days. A strikingly handsome onion; very early, ripens evenly and is a fine keeper; the small, high-bred neck tells the story of quality; it is a true globe, pure white. Pkt., 15c; $\frac{1}{2}$ oz., 30c; oz., 50c; $\frac{1}{4}$ lb., \$2.00.

FOR GREEN ONIONS

Bunch Onion. The best green Bunch Onions from seed are grown from White Lisbon, producing tender, long, white tops. If killed a little these green and white stalks may be consumed entirely. Does not get tough like the White Welch or Winter Top. Pkt., 15c; $\frac{1}{2}$ oz., 30c; oz., 50c; $\frac{1}{4}$ lb., \$2.00.

He-Shi-Ko. (Green Table Onion). 50 days. An early bunch onion that can be sown either spring or fall. A tall type which never forms a bulb. Pkt., 15c; $\frac{1}{2}$ oz., 30c; oz., 50c; $\frac{1}{4}$ lb., \$1.40.



ONION VALENCIA SWEET SPANISH. Pkt., 15c.

SPANISH TYPE ONIONS

★ Valencia Sweet Spanish.

Utah Strain. Matures in about 110 days. Here is a mild, sweet, giant onion of the true Spanish type which you can grow from seed in your own garden. From seed it will produce onions weighing a pound; if started in the hotbed, two-pound specimens can be grown. It comes in two colors, yellow and white, both alike otherwise. These onions are delicious at all stages of growth.

White or Yellow (specify color desired). Pkt., 15c; $\frac{1}{2}$ oz., 40c; oz., 75c; $\frac{1}{4}$ lb., \$2.25.

Riverside Sweet Spanish.

110 days. Yellow or White. This is a California grown strain of the Spanish (Denia) onion. It is the most popular onion in Southern California and when grown as a specimen attains enormous size, 4 to 4 $\frac{1}{2}$ pounds. In color it has a cream or pale yellow tint. Pkt., 15c; $\frac{1}{2}$ oz., 40c; oz., 75c; $\frac{1}{4}$ lb., \$2.25.

Prizetaker—American

Grown. 105 days. Of the same type as the large Spanish onions, Prizetaker is a yellow globe that matures to great size under right conditions; it should be started early in hotbed. Pkt., 15c; $\frac{1}{2}$ oz., 40c; oz., 75c; $\frac{1}{4}$ lb., \$2.25.



SOUTHPORT YELLOW GLOBE. Pkt., 15c.

BERMUDA TYPE

Crystal White Wax. In about 90 days. This is a pure white flat onion, very popular in the south, especially in Texas. Will make but small onions in the north. Very sweet. Tenerife seed. Pkt., 15c; $\frac{1}{2}$ oz., 30c; oz., 50c; $\frac{1}{4}$ lb., \$1.40.

Onion Seed of Flat and Pickling Types

Quantity needed for 25 ft., 1 pkt.; 125 ft., 1 oz.

White Portugal or Silverskin. About 100 days.

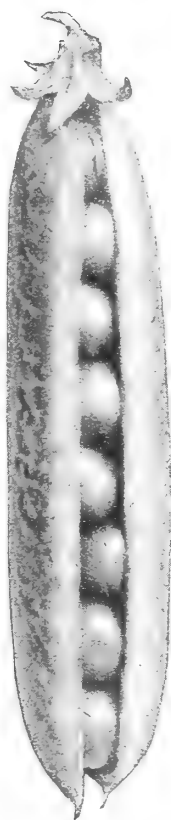
This is a splendid sort for growing white onion sets, pickles and for early bunching green onions. A medium size bulb, flat shape, has fine mild flavor, and is best of the white onions for keeping. Pkt., 15c; $\frac{1}{2}$ oz., 40c; oz., 70c; $\frac{1}{4}$ lb., \$1.85.

Ebenezer. In 100 days. There has been a tremendous demand for this yellow skinned onion for the growing of Onion Sets. Ebenezer is a fine keeper, mild and well flavored. Pkt., 15c; $\frac{1}{2}$ oz., 30c; oz., 50c; $\frac{1}{4}$ lb., \$1.40.

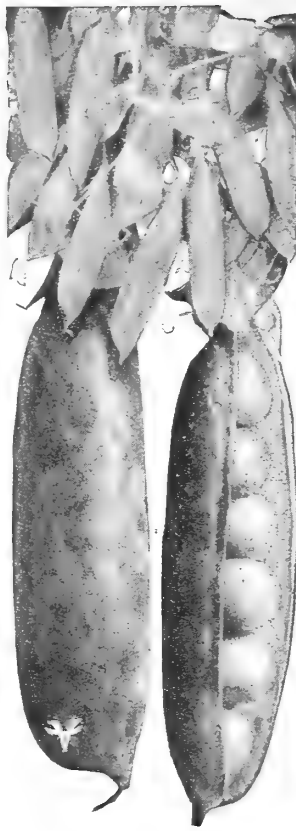
Sow Early for Success With Peas



GIANT STRIDE



LAXTON'S PROGRESS



LITTLE MARVEL

PEAS are rich in sugar, which begins to turn to starch when they are picked; thus home gardeners alone can enjoy this crop at its best.

Where hot dry summer weather cuts short the crop, the problem is to get the heavy yield, large size and sugar content of the late sorts into early yielding varieties which will bear a crop before the summer's drought arrives. Our strains are selected for these qualities. Quantity needed for 100 ft., 1 lb.

Sow smooth seeded with earliest crops, wrinkled peas two weeks before frost proof date. Sow 2 inches deep, two inches apart in row, or in twin rows, 6 inches apart, with support between. Crop must mature before hot weather.

DWARF

★**Little Marvel.** 64 days. The most satisfactory pea in the average home garden. The big point in its favor is that it remains in prime picking condition a week longer than the older sorts. Very productive, hardy, luscious and sugary. Vines 18 inches, pod dark green, well filled. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 75c.

Giant Stride. 74 days. Pea blight is a wilt affecting peas when they are planted too often in the same ground. You will find the new Pea Giant Stride nearly 100% resistant, as well as of top quality and a heavy yielder. It makes a vine 16 to 18 inches tall, dark green, with pods longer than Laxton's Progress and better filled with peas of excellent flavor. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 75c.

★**Early Gilbo.** 72 days. A fine variety for market gardeners. Vine 24-28 inches tall, very dark and heavy. Pod 4½-5 inches long by ½ to ¾ inch wide, of the Dwarf Alderman type. Season 69 days. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 75c.

Nott's Excelsior. In 62 days. Almost as early as the round seeded varieties, but far superior to them in quality. Vines about 15 inches high, pods about 3 inches long, each containing 5 to 7 peas of good size, tender and delicious. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 75c.

Premium Gem. 64 days. An extra early old type garden pea that could well be replaced by Nott's Excelsior or Little Marvel, as they are superior. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 75c.

★**Century of Progress.** 62 days. This is a vigorous growing, heavy yielding variety which bears large, wrinkled peas of the very highest table quality in greater profusion than other varieties of equal quality. It grows 20 inches tall, with heavy foliage of a dark green, and dark green pods 4½ inches long. It is an excellent home garden variety. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 75c.

Laxton's Progress. 62 days. The earliest large-podded, large-fruited wrinkled peas. Of all the varieties producing peas of equal quality, this is the heaviest yielding. It bears long pods, averaging one more pea to the pod than Hundredfold. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 75c.

Hundredfold. About 62 days. This is another of Vaughan's Specials that has proved itself a winner for gardeners. It is extra early, has large pods like "Telephone," which are filled with the finest flavored peas. Hundredfold is in season a few days later than the first earlies. It excels in size, appearance and productiveness. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 75c.

Dwarf Telephone or Daisy. About 76 days. A mid-season maturing sort of merit; vines are dwarf and bear large, bright green pods, each containing 7 to 9 peas of finest quality. This is a splendid variety, of which we offer a high-class re-selected stock. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 75c.

American Wonder. 61 days. Among the oldest of the home garden peas it is being superseded by Nott's Excelsior and Little Marvel. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 75c.

Dwarf Defiance or Stratagem. About 79 days. Pea growers cannot afford to overlook this splendid main crop success; it is without a superior, a grand second early. The vines are vigorous, the pods dark green and immense in size and fullness, like "Telephone." The handsome pods are filled with peas that are sweet and rich flavored. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 75c.

Two Pounds Prepaid

Catalogue prices of peas, beans and sweet corn include prepayment on lots up to and including 2 pounds. For postage charges on larger lots, see Page 106.

Eat Your Own Peas Six Weeks for 25¢

IN sections where spring is late, and hot weather arrives soon after, best results with peas are obtained by sowing an early, midseason and late variety all at the same time. We recommend the varieties below for this purpose.

Sow in Early Spring
LITTLE MARVEL—Dwarf, Early
GIANT STRIDE—Dwarf, Main Crop
DWARF DEFIANCE—Dwarf, Late

1 Pkt. of each (3 pkts.), 25c.
½ lb. of each (1½ lbs.), 50c.
1 lb. of each (3 lbs.), 85c.

Tall Peas

THE gardener who takes pride in his peas and whose space is unlimited will find the tall-growing sorts unequalled for length of season, heavy yielding and high quality. Support should be given and they should be planted with plenty of room. Liberal fertilizing will be well repaid.

★**Vaughan's Improved Telephone.** 74 days. Of the tall-growing varieties of late peas, "Vaughan's Improved Telephone" is regarded by experienced and successful growers as the best sort for general purposes. Uniformly large pods, 5 inches or more long, filled with 8 to 9 delicious peas. Grows 4 feet high; is a main crop variety, and a heavy yielder. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 75c.

MEDIUM HEIGHT

A HEAVIER yield without sacrificing quality is obtained from the varieties of peas which require some support. The varieties listed below grow to three feet high and should be given support of chicken wire or brush between companion rows. The smooth podded sorts may be sown first, and if not allowed to mature too much, will be found to be of good table quality.

World's Record or Improved Gradus. 60 days. Gradus is the greatest of the wrinkled peas; it is large, early, and in flavor equal to the best wrinkled kinds. It is tender and should be planted in the warmest spot in the garden. Vines 30 inches, pods 4 inches long, beautiful green color, with 7 to 10 or more rich, tender peas in each. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 75c.

Thomas Laxton. About 62 days. This is a selection of Gradus. The season is identical, but the pods are square at the end and deeper green. Vines are 3 to 3½ feet high. A better yielder than Gradus. Pkt., 10c; ½ lb., 25c; lb., 45c; 2 lbs., 80c.

Alaska—Called Earliest of All. In about 57 days. Alaska and "Maud S." are in all but color the same; Alaska seed is bluish in color; it is standard for market and canning. Pkt., 10c; lb., 40c; 2 lbs., 75c.

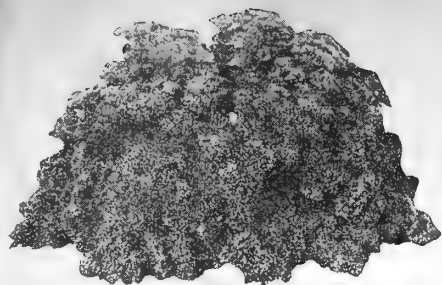
EDIBLE POD PEAS

Cooked Like String Beans

Dwarf Gray Sugar. About 65 days. The pods, not the seed of this variety are eaten. They are borne on vines 16 inches tall, and should be picked before seeds form. At this stage they are stringless, brittle and succulent. Pkt., 10c; lb., 45c; 2 lbs., 85c.

Inoculate Seed Peas

To stimulate growth, use culture of nitrogen secreting bacteria. Garden size, sufficient for 5 lbs. of seed, of peas, beans and sweet peas, 10c.



PARSLEY, Champion Moss Curled. Pkt., 10c.

Parsley

PARSLEY should be sown early because it is very slow to germinate; and it is best to use radish seed mixed with the parsley seed to mark the rows.

Parsley is one of the richest of green vegetables in vitamin A, and iron. It deserves to be used more extensively as a food. Its flavor will add to raw salads as well as to cooked dishes.

The rooted parsley provides excellent flavoring for soups and stews. Quantity needed to sow 50 ft., 1 pkt.; 200 ft., 1 oz.

Champion Moss Curled. In about 70 days. Robust, compact plants; the leaves are so crumpled and curled as to have the appearance of curled moss, with rich, green color; it is quite hardy. Pkt., 10c; oz., 25c; ¼ lb., 65c.

Vaughan's XXX Parsley.

In 75 days. Curled leaves of delicate green, appetizingly fresh and beautiful, add zest and richness to substantial or delicate viands. It grows very dwarf in the garden—many of our customers plant it as a border. Vaughan's XXX Parsley was chosen after many trials and a careful inspection trip through Europe. Pkt., 10c; oz., 25c; ¼ lb., 65c.

Plain or Italian. In 72 days. Not curled. However, the flavor is excellent and plant is very hardy. Pkt., 10c; oz., 25c; ¼ lb., 65c.

Hamburg Rooted. 90 days. Resembles a small parsnip. Used for flavoring soups. Our strain is exceptional. Pkt., 10c; oz., 25c; ¼ lb., 65c.

Evergreen. In 80 days. Darkest green curled. All-America award. Pkt., 10c; oz., 25c; ¼ lb., 65c.



Hamburg Rooted Parsley. Pkt., 10c.

Parsnips

PARSNIPS may be harvested at times when the garden has little else to offer. Let them remain in the ground over winter, and dig them during a thaw or when the spring thaw comes—they will be as sweet and tender as ever. A freeze is required to sweeten them. For the best results deep soil is needed, and fresh manure should not be used as it will cause the roots to divide. Quantity needed to sow 25 ft., 1 pkt.; 150 ft., 1 oz.

Marrowfat. 95 days. This variety produces roots of uniform good size, fine shape, clean, smooth skin. In flavor it is unequalled. For exhibition it is a winner. Pkt., 10c; oz., 40c; ¼ lb., 75c.

Hollow Crown, Long Smooth. About 95 days. Tender and sugary; one of the best. Our strain is a good selection. Pkt., 10c; oz., 35c; ¼ lb., 65c.

Ideal. About 95 days. Shorter than Hollow Crown and freer from side roots; tender, uniform and slightly hollowed neck. Washes up a good white. Pkt., 10c; oz., 40c; ¼ lb., 75c.

Short Thick. The tops are only about half the size of Hollow Crown. The roots are short and thick, having a diameter of 2½ to 3½ inches and a length of only 6 or 8 inches at the thickened part. Pkt., 10c; oz., 45c; ¼ lb., 85c.

The Pocket Book of Vegetable Gardening by Charles H. Nissley

How, when, and what to plant. The latest practical, scientific advice on growing food for home use. Includes specially prepared charts showing Vitamin Contents and Nutritional Values as well as specific instruction for raising each vegetable. 244 pages illustrated; 30c by mail; 25c over the counter.



MAGNUM DULCE

RUBY KING

CALIFORNIA WONDER

HUNGARIAN

Peppers, Sweet or Hot

THE plants should stand eighteen inches apart in rows. They are constantly becoming more popular, both in salads and for use in cooking. One packet produces 75 plants; ounce, 1000 plants. Plants started eight weeks before are set out one week after frostproof date. Harvest continues until frost, if vines are picked clean.

★Early California Wonder. Matures in about 60 days. A quality giant is recommended for the home garden. Mild, sweet, midseason, it produces fruits 4 by 4½ inches, with thick flesh and bright crimson coloring. Pkt., 15c; ½ oz., 50c; oz., \$1.00.

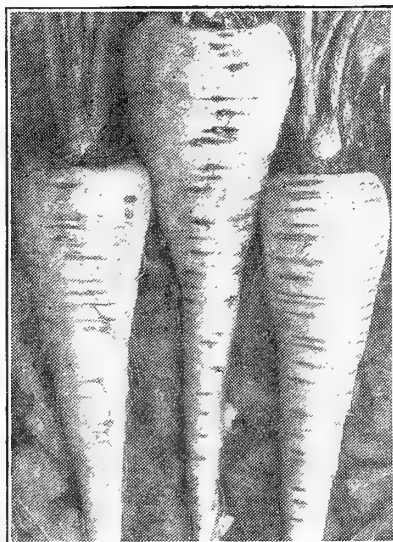
★California Wonder. About 75 days. A mild, sweet variety, very large. It resembles Chinese Giant in form, but has much thicker flesh. It has a crimson fruit. Pkt., 15c; ½ oz., 50c; oz., \$1.00.

Giant Magnum Dulce. In 67 days. This mild pepper grows to 7 inches long and 4 inches through—but when grown so large the yield is small. To get a large yield of medium sized peppers, pinch off the first buds. Pkt., 15c; ½ oz., 45c; oz., 85c.

Harris' Early Giant. 63 days. Heavy yielder among the large peppers, also earlier. The plants are vigorous; peppers 4 by 4½ inches. Color, deep green turning to red; very sweet. Pkt., 10c; ½ oz., 40c; oz., 75c.

Waltham Beauty. 70 days. A California wonder type, smaller but much more productive and earlier. Pkt., 10c; ½ oz., 40c; oz., 75c.

Crimson Giant. About 70 days. One of the earliest large red. The peppers are green when young and a rich red when ripe; flesh thick, sweet and mild. Pkt., 10c; ½ oz., 45c; oz., 85c.

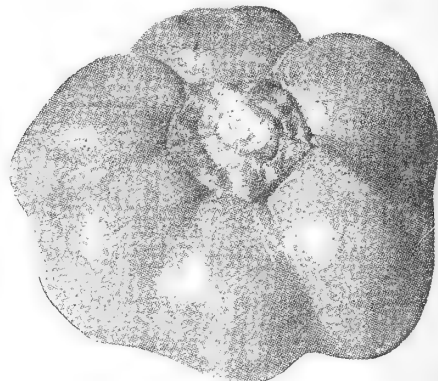


PARSNIP, HOLLOW CROWN. Pkt., 10c.

Chinese Giant. 80 days. Grows 4 to 5 inches broad on top and of equal length, mild flavors and makes a very fine salad sliced and served like tomatoes. Pkt., 10c; ½ oz., 45c; oz., 85c.

★Hungarian or Banana (Hot). In 65 days. A slender hot pepper much prized for canning. It is 1½ inches in diameter at the base and often 10 inches long. Yellow turning to red. Pkt., 10c; ½ oz., 40c; oz., 75c.

Hungarian or Banana (Sweet). In 65 days. Same as above, but sweet. Pkt., 15c; ½ oz., 60c; oz., \$1.15



SUNNYBROOK. Pkt., 10c.

Sunnysbrook. 73 days. Tomato shaped, very early and productive. Fruits 2 in. deep and 3 in. diameter, smooth, glossy, dark green, turning deep red. Flesh thick and sweet. Pkt., 10c; ½ oz., 50c; oz., 90c.

Annaheim Chili. 80 days. Long, smooth, tapering, dark green fruits, changing to bright scarlet. Best pungent variety for canning. Pkt., 10c; ½ oz., 35c; oz., 65c.

King of the North. In 64 days. A sweet medium short and blocky. Not quite as early as Early Giant. Pkt., 10c; ½ oz., 40c; oz., 75c.

Ruby King. In 68 days. One of the most popular, growing 4½ to 6 inches long, 3½ to 4 inches thick. The peppers are a bright ruby-red and quite sharp in flavor. Pkt., 10c; ½ oz., 40c; oz., 75c.

Bull Nose, Hot. In 70 days. A pungent pepper. Pkt., 10c; ½ oz., 35c; oz., 60c.

Pimento Perfection. In 73 days. Flesh thick and very mild. Must be started early in the north to mature. Pkt., 10c; ½ oz., 45c; oz., 85c.

Large Bell. 70 days. Large, mild. Pkt., 10c; ½ oz., 40c; oz., 75c.

Cayenne. 70 days. Long, red, hot. Pkt., 10c; ½ oz., 35c; oz., 65c.

Sweet Mountain. In 70 days. Very productive; the flesh mild and thick, 6x4 inches. Pkt., 10c; ½ oz., 40c; oz., 75c.

Oshkosh. 70 days. Small upright bush, fruit 4"x3", deep green turning to orange-yellow. Pkt., 15c; ½ oz., 45c; oz., 85c.

Tabasco. About 95 days. Hottest of all. Pkt., 10c; ½ oz., 45c; oz., 75c.

Red Chili. 75 days. Good hot pickling. Pkt., 10c; ½ oz., 45c; oz., 75c.

Basic Vegetable \$1. Garden

11 Varieties—Value, \$1.45
Prepaid

THIS collection provides the minimum planting of protective foods which should be made for a family of four. It includes the vegetables which combine highest nutritive values with ease of culture, except tomatoes, for which plants started early under protection may usually be obtained at planting time. Each of these vegetables **SHOULD BE GROWN AND EATEN** to maintain health, and all surplus should be preserved for winter **WHILE IT IS YOUNG, FRESH and DELICIOUS.** With each collection will be sent a suggested planting plan to give all-season yield.

11 Items, as follows, value \$1.45, prepaid \$1.00. Catalog Value

½ lb. Green Pod Bush Bean	25c
1 pkt. Swiss Chard	10c
1 pkt. Leaf Lettuce	10c
1 pkt. Carrot	20c
1 pkt. Parsley	10c
1 pkt. Beet	15c
1 pkt. Radish	10c
1 pkt. Wax Pod Bean	10c
1 pkt. Turnip	10c
1 pkt. Onion	15c
1 pkt. Bush Lima Bean	10c
Catalog Value	\$1.45
Collection prepaid in U. S. A. for \$1.00	

Produce Without Waste

Grow the vegetables your family will eat and put up for winter, and no more. Below shows the space in a garden row which should produce one serving for a family of four. Estimate the number of times each week you would like each vegetable to appear on your table, then plant to produce all needs.

Snap Beans 1 ft.	Kohlrabi 2 ft.
Lima Beans 2 ft.	Leeks 2 ft.
Beets 1 ft.	Lettuce, Leaf 1 ft.
Broccoli 1 ft.	Spring Onions 1 ft.
Brussels 1 ft.	Parsley ½ ft.
Sprouts 1 ft.	Parsnips 2 ft.
Cabbage 2 ft.	Peas 3 ft.
Chinese 1 ft.	Peppers 1 ft.
Cabbage 1½ ft.	New Zealand 2 ft.
Carrots 2 ft.	Spinach ½ ft.
Cauliflower 2 ft.	Radish 1 ft.
Celery 1 ft.	Rutabaga 2 ft.
Collards 1 ft.	Salsify 2 ft.
Sweet Corn 4 ft.	Spinach 3 ft.
Cucumbers 2 ft.	Squash 3 ft.
Egg Plant 1 ft.	Swiss Chard ½ ft.
Endive 1 ft.	Tomatoes ½ ft.
Kale 1 ft.	Turnips 1½ ft.

Plan for All Season Harvest

Many vegetables have a short harvest period. Your sowings of these must be divided into two, three or more plantings, to spread the harvest throughout the season.

Below we give the approximate time that one sowing will remain in top condition after harvest begins. Plan your second sowing so that when this period is ended, a succession crop will be ready.

Crop	Harvest Lasts
Beans	4 weeks
Beets	6 weeks
Carrots	8 weeks
Cucumbers	4 weeks
Endive	6 weeks
Lettuce	6 weeks
Kohlrabi	3 weeks
Turnips	2 weeks
Spinach	2 weeks
Sweet Corn	10 days
Onion Sets	4 weeks
Peas	2 weeks
Radish, early	1 week
Radish, midseason	2 weeks
Radish, winter	6 weeks



BUSH PUMPKIN. Pkt., 10c. Fine for Small Gardens.



PUMPKIN "BIG TOM" Pkt., 10c.

Big and Small Pumpkins

SOW when the ground is warm and give the plants room to ramble. The partial shade of the sweet corn plot is ideal. A few hills will provide amply for pies and Jack O'Lanterns.

Autumn, Bush, or Everbearing. In 100 days.

For the first time we offer a genuine bush form pumpkin, a boon for the home garden where space is limited. On a bush similar to that of Italian marrow, requiring a space 4 ft. square, it bears small pumpkins, excellent for pies. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50.

Large Field or Big Tom. 110 days. This is the Pumpkin generally used at Halloween time for Jack O'Lanterns. The standard variety grown in cornfields for a feeding crop. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.40.

***Vaughan's Small Sugar Pie Pumpkin.**

110 days. Well known as the best pie pumpkin. The fruit is small to medium size, with solid fine grained flesh, and a sweet, sugary, delicious flavor. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50.

Cushaw. Striped and Golden. A favorite pumpkin for pies, having no seeds in the neck, all being confined in the enlarged portion near the blossom end. Pkt., 10c; oz., 25c; ¼ lb., 65c; lb., \$2.00.

***Vaughan's Mammoth Prize.** In about 120 days.

Specimens have grown to 100 lbs.; notwithstanding, it is among the best pie pumpkins. Flesh fine grained, sweet and tender. Requires a long season and plenty of room (one plant to a hill). Pkt., 10c; oz., 30c; ¼ lb., 75c; lb., \$2.25.

Winter Queen or Winter Luxury. In about 100 days. A quality pie pumpkin and the best winter keeper. Nine or ten inches in diameter; its skin is a beautiful deep orange-yellow with a close netting. Pkt., 10c; oz., 25c; ¼ lb., 65c; lb., \$2.00.

Colonial Pie. About 110 days. Fine quality, good keeper. Pkt., 10c; oz., 25c; ¼ lb., 65c; lb., \$2.00.

Large Cheese. About 110 days. Large, flat like a cheese box. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.40.

Kentucky Field. In 120 days. Medium size, oval shaped, lemon-yellow color. Pkt., 10c; oz., 20c; ¼ lb., 50c; 1 lb., \$1.40.



SMALL SUGAR PIE PUMPKIN. Pkt., 10c.

Sweet Potatoes

Sweet potatoes will be shipped either from 601 W. Jackson Blvd., Chicago, or from our grower in Southern Illinois all by express at purchaser's expense. We offer: Yellow Jersey, Nancy Hall and Porto Rico, 10 lbs., \$1.85; 25 lbs. and over, 16c per lb.

SWEET POTATO PLANTS

All orders for Sweet Potato plants will be shipped from our grower in Southern Illinois direct to the purchaser and no plants will be shipped C.O.D. Orders for 1,000 or less will be sent by mail postpaid, all orders for more than 1,000 will be shipped express at purchaser's expense. Varieties: Yellow Jersey, Nancy Hall and Porto Rico, 100 plants, \$1.40; 200, \$2.70; 500, \$4.75; 1,000, \$7.75; by express per 1,000, \$7.25.

Our method of packing should insure safe arrival of plants in good condition. If larger quantities than quoted above are wanted, ask for special quotation.

Plants will be ready for shipment in the southern districts about April 15th, and for northern districts about May 15th to June 15th.

TREAT WITH QUICK, EASY
SEMESAN BEL
DIP FOR LARGER POTATO CROPS

A one minute dip in Semesan Bel solution will reduce scab and rot, even when used on clean seed potatoes. Increases in yield usually result. Directions for treatment are supplied. One pound treats 60 to 80 bushels. Prices of Improved Semesan Bel: ceiling prices, 2 oz., 30c; 1 lb., \$1.65; 4 lbs., \$5.70; 25 lbs., \$33.25; 100 lbs., \$125.00.

Confetti Keeps Potatoes from Sprouting

Spud-Keep Paper

In addition to potatoes, almost all root crops, especially carrots, turnips and onions, will keep sproutless, smooth and clean in winter storage when you mix with them shredded paper treated with the methyl ester of naphthalene acetic acid, sold under this name. This chemical is a hormone which resists shrinking and sprouting of the roots and tubers. On dahlias, cannas and other ornamentals it has the same effect, but may prevent them from growing in the spring; so do not use except on tubers and roots which are to be consumed.

Size	Price
Treats 5 bushels	\$1.00; Postpaid, \$1.10
Treats 20 bushels	\$3.00; Postpaid, \$3.25
Treats 75 bushels, by express, charges collect, \$10.00.	

Radishes for All Season



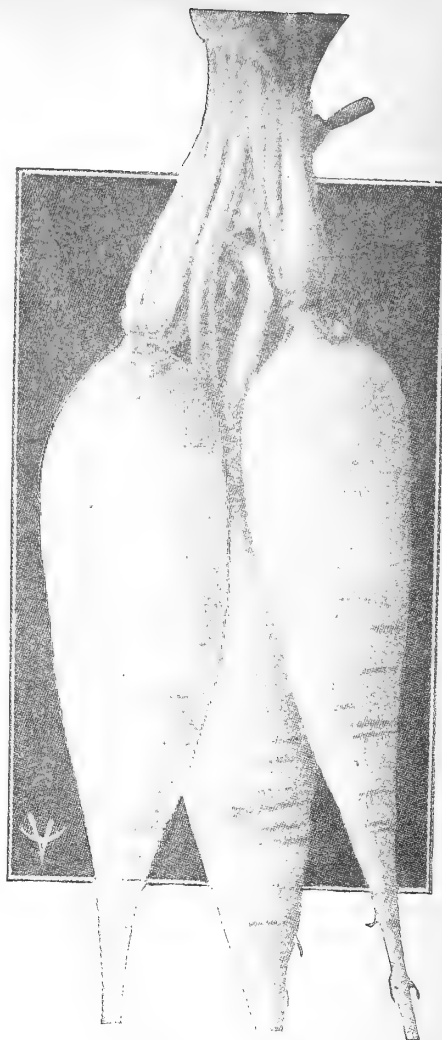
EARLY SCARLET GLOBE SELECT



IMPROVED FRENCH BREAKFAST



SCARLET TURNIP. WHITE TIP.



RADISH ICICLE. Pkt., 10c.

RADISHES from April to December are possible for the home gardener who sows early, midseason, summer and winter types.

Radishes supply, in a 2 oz., portion, 6 I U of Vitamin B1, 11 milligrams of Vitamin C, 0.01 milligram of Vitamin B2. Sow them thinly with slow germinating seeds such as carrots, parsnips, and parsley and harvest the radishes before the companion crop begins to mature. Make frequent sowings of the early types a week's supply at weekly intervals.

Our strains are grown with the greatest care, which involves considerably increased cost, but the additional cost is small compared with the great difference in your crop.

Quick growth is the secret of success. A rich, light soil is required. The globe and olive varieties grow faster than the long type, and turn pithy sooner. The long types grow more slowly and are slower to turn pithy, so they endure heat better. Winter radishes should be sown in June or later and allowed to develop in the cool, moist fall weather. **Quantity needed for 15 to 20 ft., 1 pkt.; 75 ft., 1 oz.**

Sow with earliest crops, 1/2-in. drill, 5 seeds to the in. Sow early types one week's supply at a time, at weekly intervals. Mix with parsnips, parsley and carrots, to mark the row. Harvest when large enough to eat. Summer and winter types have longer harvest.

★Early Scarlet Globe Select. (F.) 20 days. Glasshouse Strain. For hotbed and greenhouse forcing, and outdoor planting. Very early, crisp, mild and tender; rich, bright scarlet in color, of uniform globe shape. It is ready for the table in 25 days. For the home, plant every 10 days until into June; again end of August.

Short Top—Pkt., 15c; oz., 25c; 1/4 lb., 50c; lb., \$1.50.
Medium Top—Pkt., 10c; oz., 20c; 1/4 lb., 45c; lb., \$1.25.

★Scarlet Turnip White Tip. 26 days. Selected Stock. This radish is a table dainty, crisp, tender and sweet; it is turnip-shaped, bright scarlet color with white tip, and is a high-class strain for outdoor planting. It combines beautiful appearance with finest radish quality—appealing to the eye and palate.

Vaughan's "Sparkler" Strain for Open Ground. Pkt., 10c; oz., 20c; 1/4 lb., 45c; lb., \$1.25.

★Icicle. 25 days. The finest white, which remains crisp and mild long after maturity. It matures early with short top, which permits close planting and forcing. Many of our customers say it is the finest radish they have ever grown. Plant every 10 days for succession. Pkt., 10c; oz., 20c; 1/4 lb., 45c; lb., \$1.25.

Saxa. (F.) 20 days. This is a European variety which has become very popular in the United States. It is one of the very earliest radishes and slow to run to seed. The tops are very small, the radishes are round and bright scarlet. We recommend it for the first planting in the garden, and also for forcing in hotbed and greenhouse. Pkt., 10c; oz., 20c; 1/4 lb., 45c; 1 lb., \$1.25.

Vick's Scarlet Globe. An olive shaped Scarlet Globe Radish maturing in 20 days. Remains firm and tender. Pkt., 15c; oz., 25c; 1/4 lb., 50c; lb., \$1.50.

★Giant Butter. 28 days. By far the largest of the early turnip radishes. In rich soil it will produce crisp, spicy, tender roots of perfect globe shape two inches in diameter, only a week later than the smaller globe types. It is usable for a much longer season before it begins to turn pithy, and by planting a succession of crops it can be enjoyed throughout the summer. It is seldom found in the market and will make your friends talk. Pkt., 10c; oz., 20c; 1/4 lb., 50c.

White Box—(Early White Turnip). 20 days. Our earliest white radish. Turnip-shaped, short top and a rapid grower—crisp. Pkt., 10c; oz., 25c; 1/4 lb., 60c.

Early Long Scarlet Short Top. 28 days. A long, straight, smooth, red radish; it grows partly above ground, developing a long, tender, crisp and sweet root. Pkt., 10c; oz., 20c; 1/4 lb., 50c; lb., \$1.50.

Crimson Giant. (F.) 28 days. For forcing or outdoor planting. Although twice the size of other forcing sorts this does not get pithy or hollow; the skin is crimson, flesh is white, tender, crisp and sweet-flavored. Sow thinly. Pkt., 10c; oz., 20c; 1/4 lb., 50c; lb., \$1.50.

Brightest Long Scarlet. 28 days. This is a home garden favorite; the body is brightest scarlet color, which blends downward to a long tip of pure white. Matures in 25 days. Pkt., 10c; oz., 20c; 1/4 lb., 50c; lb., \$1.50.

Improved French Breakfast. (F.) 25 days. Early olive-shape 2 inches long, with slender tap root, deep red skin, white tip. Flesh is solid, sweet, crisp and tender, fine for the home garden. Pkt., 10c; oz., 20c; 1/4 lb., 50c; lb., \$1.50.

Cincinnati Market. 30 days. A long red radish, short top. If your market uses a long sort try this one. Pkt., 10c; oz., 20c; 1/4 lb., 50c; lb., \$1.50.

Early Deep Scarlet Turnip. 26 days. An old standby. Pkt., 10c; oz., 20c; 1/4 lb., 50c; lb., \$1.50.

Radishes from one foot of row will serve an average family 1 day; and one sowing of an early variety will produce a harvest for one week; a midseason variety for two weeks; a winter variety for six weeks. Plan successive sowings to avoid waste.

In home gardens, the second early varieties **Giant Butter** and **Icicle** are favorites. They are large enough to use as quickly as early types, but give twice as long a harvest before they begin to turn pithy.

SUMMER RADISHES

White Strassburg. 40 days. When hot weather comes and spring varieties would turn pithy or run to seed, this variety will keep in good condition for a long time and furnish a most welcome tang to the salad course. Sow early as it matures more slowly than other radishes. Pkt., 10c; oz., 20c; 1/4 lb., 50c; lb., \$1.50.

WINTER RADISHES

These should be sown from late in June to August, to produce the final radish crop. They grow largest of all and can be stored for some time after the ground is frozen. In spite of their size they are mild and of fine texture.

Each of the following, pkt., 10c; oz., 25c; 1/4 lb., 60c; lb., \$1.65.

California Mammoth Winter. About 60 days. Long, very large size.

Rose or Scarlet China. In about 52 days. Rose, medium size, fine keeper.

Chinese Mammoth or Celestial. About 60 days. Immense size, flesh always crisp and mild.

Black Spanish, Long. In 58 days. Black skin and white flesh.

Black Spanish, Round. In 56 days. Like Long Black, only round.

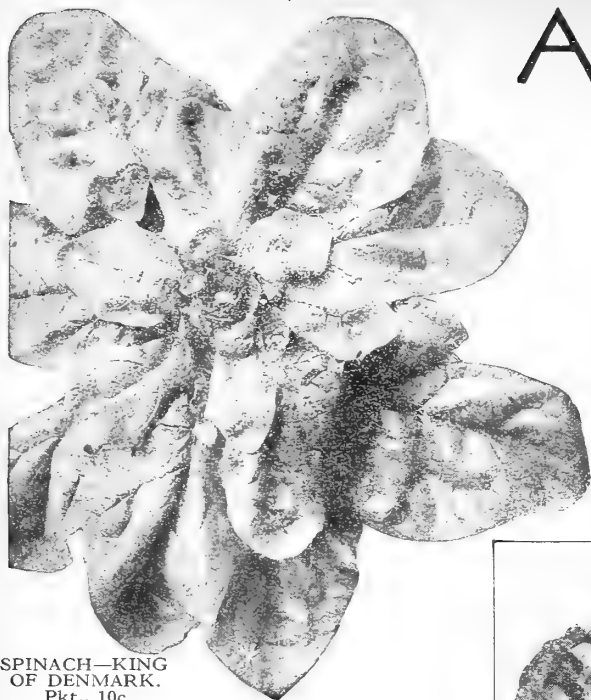
(F.) Forcing Sorts.

Long Season Radish Mixture. 1/2 oz. pkt., 15c.

This is a mixture composed of equal parts of the following early midseason and late varieties: **Scarlet Globe**, **Giant Butter**, **Icicle**, **Brightest Long Scarlet**, and **White Stuttgart**. Sow thinly in the row, and harvest as they mature. This mixture will provide an interesting assortment of radishes for the table, spread over two months of harvest.

All Vitamin-Rich Greens

Swiss Chard BEARS ALL SUMMER



SPINACH—KING OF DENMARK.
Pkt., 10c.

Spinach

SPINACH delights in cool, moist weather. Seed should be sown at the earliest possible moment in spring in rows one foot apart and thinned to six inches in the row. It matures in 45 to 50 days and quickly runs to seed in warm weather. The Antvorskov variety, listed below, is most free from this tendency. Home gardeners have generally adopted Swiss Chard and New Zealand Spinach as a greens crop, as both may be cut many times and will produce a continuous crop until freezing weather in the fall. A fall crop of spinach may be sown in late July or August and will find the cool, moist autumn weather favorable for growth. The value of spinach in the diet has been scientifically established by the vitamin investigation.

★**Nobel Giant Thick Leaved.** 45 days. The seed of this thick-leaved variety produces the largest spinach under cultivation. It grows rapidly and remains in good condition a long time. The medium-green leaves are large, rounded, slightly crumpled, succulent and tender. It is an excellent home garden spinach. Pkt., 10c; oz., 20c; ¼ lb., 50c.

★**Viking.** 45 days. This 1935 All-America winner bears largest leaves of the thick-leaved type, and is almost as long standing as King of Denmark. Its leaves are smooth to slightly crumpled, dark green, and of excellent quality for home and market. Pkt., 10c; oz., 20c; ¼ lb., 50c.

King of Denmark (Antvorskov). 48 days. In our trials this variety has been slower to run to seed than any other sort. Antvorskov forms quite large tufts (or rosettes), compact and low. The numerous leaves are extra large, broad and rounded, exceedingly bushy, slightly crumpled and of a glossy dark green color. Pkt., 10c; oz., 25c; ¼ lb., 65c.

Bloomsdale Long Standing. 45 days. Latest of the Long Standing Spinach introductions. Improvement was accomplished through the selection of hermaphrodite plants (bisexual), which run to seed much more slowly than the unisexual. This variety is of better quality than the Antvorskov (King of Denmark), having larger, Savoy type leaves. Pkt., 10c; oz., 20c; ¼ lb., 50c.

Bloomsdale Dark Green. 43 days. The leaf is savoyed, or crinkled, and of a darker green than Bloomsdale Long Standing. The dark color is preferred in some markets. Pkt., 10c; oz., 20c; ¼ lb., 50c.

Old Dominion. 40 days. The same as Virginia-Blight-Resistant in type and quality. Will eventually take the place of Virginia because of its long-standing qualities, which permit early fall planting. Pkt., 10c; oz., 20c; ¼ lb., 50c.

Prickley Seeded Hollandia. 43 days. Highly productive spinach for Market Gardeners. The leaves are large broad and arrow shaped, dark green. Pkt., 10c; oz., 20c; ¼ lb., 50c.

GARDEN SORREL

Is boiled and served like spinach, also delicious for soups. As the hot sun tends to increase its acidity, a northern exposure is advisable. It should be sown in drills 18 inches apart. It is hardy, but should be divided every four years. Pkt., 15c; oz., 75c.

★**"Summer Spinach."** 45 days. This vegetable gives maximum returns for little care and space; it yields a constant crop from July to Winter. The leaves are used for greens the same as spinach or beet tops. Sow early in spring, in rows 16 inches apart, and thin out to 6 inches in the rows. The leaves grow very large. Cut the leaves off and new ones grow quickly. As it grows, thin out for use and keep clear of weeds. Pkt., 10c; oz., 25c; ¼ lb., 65c.

Lucullus. About 55 days. A new Moss Curled sort. Very large leaves. Pkt., 10c; oz., 25c; ¼ lb., 65c.

Large White Rib. (Dark Green). The leaf is large, smooth, dark green on a long fleshy stem, 1 to 2 inches wide. Pkt., 10c; oz., 25c; ¼ lb., 65c.

Fordhook. This variety resembles Lucullus, but is a darker green. Pkt., 10c; oz., 25c; ¼ lb., 65c.

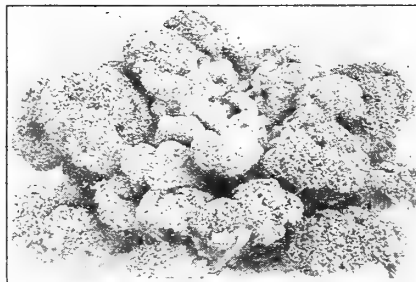
Rhubarb Chard. A recent introduction having all the chard characteristic excepting color. It has dark green, heavily crumpled leaves and crimson stem and mid rib. Pkt., 10c; oz., 35c; ¼ lb., 95c.

SOW NEW ZEALAND SPINACH IN EARLY SPRING

★**New Zealand Spinach.** *Tetragonia Ex-pansa.* 60 days. While this is not a member of the Spinach family proper, it furnishes an abundance of delightful "greens" throughout the summer and right up to cold weather. Both the leaves and the stalks of the plant are very fleshy and extremely brittle and of the finest quality when cooked. Sow as soon as the garden is prepared in rows 3 feet apart and thin the plants to stand 2 feet apart in the rows. Soak the seed before sowing. Pkt., 10c; oz., 35c; ¼ lb., \$1.00.



FORDHOOK SWISS CHARD. Pkt., 10c.



EXCELSIOR MOSS CURLED KALE. Pkt., 10c.

Kale or Borecole

Greens for early fall, winter and spring. Sow seed about middle of June, later transplant to rows 2 to 2½ feet apart. Dwarf sort can be sown later. Frost improves flavor.

Dwarf Green Curled Kale. In about 55 days. Leaves curly as Parsley, tender and very fine flavor. Immense quantities produced in south find ready sales in the north. Pkt., 10c; oz., 30c; ¼ lb., 90c.

Tall Green Curled. About 60 days. Pkt., 10c; oz., 35c; ¼ lb., \$1.00.

Siberian Kale. 65 days. Plants dwarf, spreading and very hardy. Leaves smooth greyish green, slightly frilled at edges. Pkt., 10c; oz., 30c; ¼ lb., 90c.



SINGLE PLANT OF NEW ZEALAND SPINACH.
Pkt., 10c.

MUSTARD

Leaves useful as salad or boiled like Spinach. Matures in 30 days.

Chinese Smooth. Large, light green, smooth leaves, borne well above the ground. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50.

Florida Broadleaf. Upright growing, deep green leaves, fairly smooth. Desirable for greens because of the ease of preparing and its pleasant pungent flavor. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50.

Giant Southern Curled. Large leaves often measure 14 inches; ready for use in about six weeks after sowing. Plants will continue to yield until frosty weather. Leaves boiled like spinach. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50.

Improved Ostrich Plume (Fordhook). The handsomest of the mustards. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50.

White London. Good for general use. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50.

NEW FAST GROWER

Tendergreen. A new variety of greens, producing only a small root, but large dark green leaves having a small rib. It is ready for table or market in 21 to 25 days and will produce 8 to 9 crops a year. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50.

Squash Improved in Taste and Texture

GROWING popularity of squash as both summer and winter vegetable is due to the improvement in flavor, and texture of the flesh, and to the new methods in cooking, which bring the squash to the table with its taste unimpaired. For summer, bush squash and vegetable marrows are best suited to the home garden, the latter being delicious at all stages, from infancy to maturity. The new winter varieties Buttercup, and Butternut, have rapidly become rivals of the older types in popularity.

Sow one inch deep, in light soil, sunny location. Space bush types 3 feet apart in row, vine types in hills six feet apart, 3 plants to hill. Use summer squash at any size, delicious in baby stage.

VINE TYPE

★**Acorn, Table Queen, or Des Moines.** 58 days. In size equals a coconut, and a half, baked serves one person amply. Our new strain is somewhat larger than the old with rounded, instead of pointed end. The shell is usually thin and it does not require over twenty minutes for baking or boiling. The color is dark green, even after picking and storing. The meat is dry and mealy. It yields enormously—a few hills furnishing an ample supply for a good sized family. Pkt., 10c; oz., 35c; ¼ lb., 85c; lb., \$2.50.

★**Buttercup.** 100 days. Its quality has no equal. The seeds are centered in blossom end and the rest of the interior is heavy flesh. A winter keeper. Pkt., 15c; oz., 35c; ¼ lb., 90c.

★**Butternut.** 100 days. All the seed is contained in a small cavity at the lower end so that ninety percent of its heavy fruit (12 inches long) is exceedingly sweet, firm orange flesh. Pkt., 15c; oz., 50c; ¼ lb., \$1.50.

Sweet Potato Improved. (Delicata Resistant.) 100 days. Its vigorous vine, resistant to mosaic disease, produces fruits averaging 8 to 9 inches, 3½ to 4 inches in diameter. Cream skin is marked by green stripes; flesh thick, orange and of unsurpassed sweetness. Pkt., 10c; oz., 35c; ¼ lb., \$1.00.

★**"Kitchenette" (Hubbard).** 110 days. Named "Kitchenette" because it is the smallest Hubbard, about 5 pounds. It is a glossy dark green, Pkt., 10c; oz., 35c; ¼ lb., 95c.

Delicious. In 110 days. Specify Green or Golden. A fall and winter variety. The fruit varies from 5 to 10 pounds each. (Cucurbita Maxima.) Pkt., 10c; oz., 35c; ¼ lb., 85c.

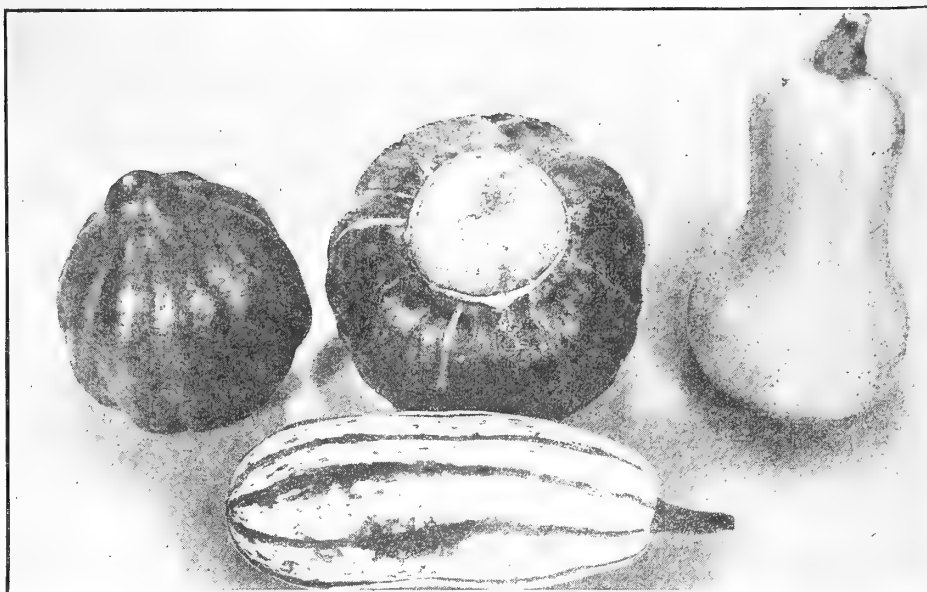


BLUE HUBBARD SQUASH
Pkt., 10c; oz., 35c; ¼ lb., 85c.

★**Chicago Warty Hubbard.** 110 days. Vaughan's Chicago Warty Hubbard Squash has been bred to the highest quality; fruits are large, skin, rough dark green, flesh, bright orange, fine grained, rich and dry. (Cucurbita Maxima.) Pkt., 10c; oz., 35c; ¼ lb., 85c.

★**Blue Hubbard.** 110 days. A third larger than Chicago Warty and more prolific. We believe that it is superior in yield, quality, size and keeping. The blue-gray shell is more attractive and many prefer it. Pkt., 10c; oz., 35c; ¼ lb., 85c.

Original Hubbard. In 110 days. Not as large as Chicago Warty, but in shape and quality it is similar. Flesh is sweet and fine grained, and fruits keep well in winter. A favorite with the farmers. Pkt., 10c; oz., 35c; ¼ lb., 85c.



REAR, LEFT TO RIGHT, ACORN, BUTTERCUP, BUTTERNUT.
FRONT, SWEET POTATO IMPROVED.



NEW ITALIAN MARROW IN FOUR STAGES
GROWTH, ALL DELICIOUS

VEGETABLE MARROWS

★**New Italian Marrow.** 60 days. (Zucchini). When matured it is 18 in. long, 5 to 7 inches in diameter and an excellent keeper, very dark green. A bush type and very productive. There is nothing better for slicing and frying when small; if kept picked, it will continue to bear until frost. Delicious in the "baby" stage, 3 to 6 inches long.

Light Green or Grey Strain. Pkt., 10c; oz., 30c; ¼ lb., 85c.

Dark Green or Black Strain. Pkt., 10c; oz., 30c; ¼ lb., 85c.

Cocozelle (Italian Vegetable Marrow). Ready in about 65 days. A bush variety. Fruits oblong, ribbed, 2 ft. in length. Color dark green with yellow and darker green stripes. Very fine flavor. 1 Pkt., 10c; oz., 30c; ¼ lb., 85c.

English Vegetable Marrow. About 100 days. (Cucurbita Pepo.) The fruit is generally eaten when less than half grown, as the flesh is then very tender. Also an excellent winter keeper when mature. Pkt., 10c; oz., 35c; ¼ lb., 85c.

BUSH TYPE

Prolific Straightneck. 55 days. Excels in tenderness, color, and productiveness. Served when about 6 in. long, it is delicious. Pkt., 10c; oz., 30c; ¼ lb., 75c.

Mammoth White Bush. About 60 days. The leading white summer squash. It is an improvement on the "Early White Bush Scallop" in that fruits are quite a bit larger. Vines are extremely prolific and disease resistant. Fruit should be used when immature. Pkt., 10c; oz., 30c; ¼ lb., 75c.

Giant Yellow Summer Crookneck. In about 55 days. Our strain produces fruit nearly double the size of the old "Crookneck." (Cucurbita Pepo.) Pkt., 10c; oz., 30c; ¼ lb., 75c.

Banana Squash. In 105 days. Of sweet potato quality. 12 inches long, 6 inches in diameter. Gray-green. Pkt., 10c; oz., 35c; ¼ lb., 80c.

Yellow Summer Crookneck. Pkt., 10c; oz., 30c; ¼ lb., 75c.



PURPLE TOP WHITE GLOBE. Pkt., 10c.

Turnips

TURNIPS are cool weather plants and thrive best in Spring and Fall. For early use, seed should be sown as soon as the ground can be prepared; it will give roots large enough for the table in six to ten weeks. For the Fall crop seed should be sown June to August and the plants will grow until freezing weather, when they should be harvested and stored.

★**Purple Top White Globe.** 57 days. Originated from "Purple Top Flat Turnip," is extensively planted and popular for its fine qualities. The flesh is firm, fine grained, sweet and rich flavored; it is of good size, globe-shaped, fine appearance, a good keeper. Pkt., 10c; oz., 15c; ¼ lb., 35c.

Purple Top Strap-Leaved. About 46 days. A table variety, fine, tender and deliciously flavored. It is broad shaped; medium size, white flesh, fine grain, splendid quality. Pkt., 10c; oz., 15c; ¼ lb., 35c.

Golden Ball or Orange Jelly. About 65 days. Medium size, globular table turnip. Flesh yellow, sweet. Pkt., 10c; oz., 15c; ¼ lb., 35c.

Early Snowball. In 40 days. Small, white, splendid quality. Pkt., 10c; oz., 15c; ¼ lb., 35c.

Early White Milan. In 42 days. This can be used Spring or Fall. The skin is smooth, snowy white, has a polished appearance; medium size, white, tender, sweet. Pkt., 10c; oz., 15c; ¼ lb., 35c.

Shogoin. 30 days. A turnip used principally for greens. The root is small but the top is like mustard tops. Pkt., 10c; oz., 15c; ¼ lb., 35c.

Seven Top. 30 days. A variety much grown in the south for the tops, which are used as greens. Pkt., 10c; oz., 15c; ¼ lb., 25c.

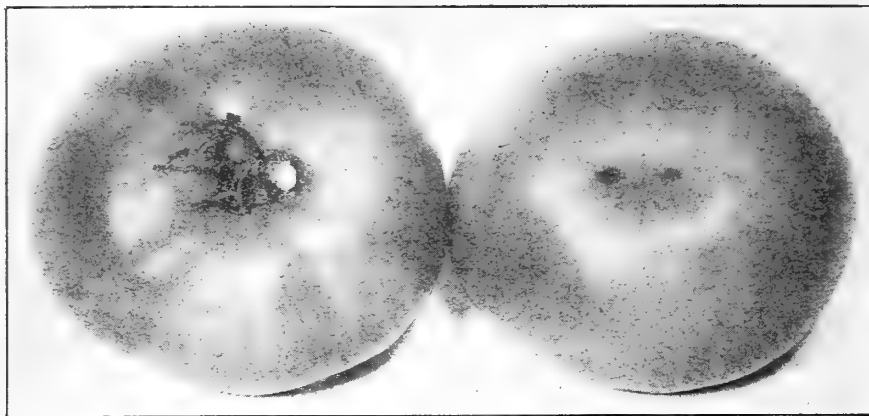
Large Yellow or Amber Globe. In 76 days. Fine quality and sweet. Pkt., 10c; oz., 15c; ¼ lb., 35c.

Extra Early Purple Top Milan. About 42 days. An excellent medium size turnip; white flesh. Pkt., 10c; oz., 15c; ¼ lb., 35c.

TURNIPS FOR STOCK

Cow Horn or Long White. In 70 days. Grows nearly half way out of the ground, carrot-shape. Pure white. Oz., 15c; ¼ lb., 35c; lb., \$1.00.

Tomatoes are "Must" for Home Gardens

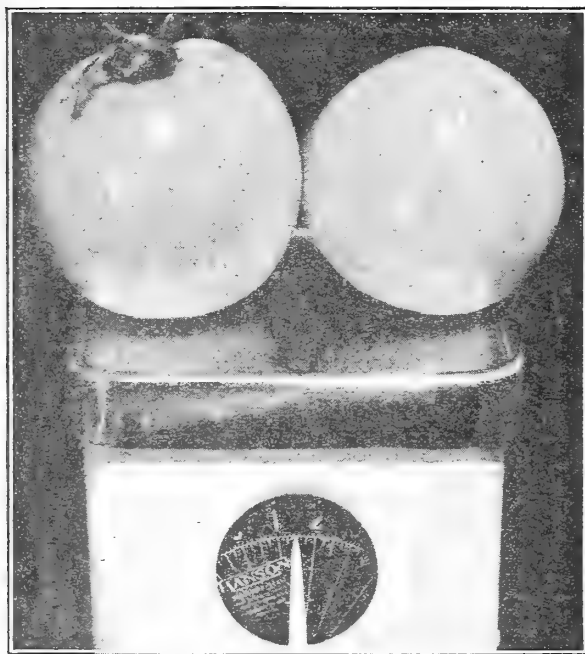


GIANT IMPROVED PONDEROSA. Pkt., 10c.

LARGE TOMATOES

Ponderosa—Giant Improved. Matures 88 days. One of the more popular large fruited varieties, that comes in two strains a pink or a gold. In ordering please specify as to strain desired. The vines are strong in growth, and when planted in good soil and pruned to a single stem, the fruit reaches one pound in weight. Tomatoes grow in beautiful clusters. Improved strain is smoother and rounder. Pkt., 10c.; ½ oz., 50c; oz., 95c.

Oxheart. Matures in about 90 days. Popular because of its shape, large size, and excellent table qualities. Not a heavy yielder but often weighs 3 lbs. Skin pink, almost seedless, firm, sweet flesh, slices well. Pkt., 15c; ½ oz., 65c; oz., \$1.25.



TOMATO JUBILEE. Pkt., 20c.

YELLOW TOMATOES

Jubilee. 72 days. All America bronze medal, 1943. Among home gardeners this variety has quickly become one of the most popular, both for salad and for exhibition. Many consider that in heavy production of high quality fruits, uniform in both shape and size, it has no superior. The illustration shows average mature fruits, deep orange inside and out with solid flesh and so few seeds as to make seed production a problem. It is an excellent salad variety, with mild, non-acid flavor, but not flat, and it can be canned with success, but some will consider its juice insipid. Its vines grow vigorously and can be staked and pruned. Pkt., 20c; ½ oz., 50c; oz., 95c.

Orange King. 66 days. A small vine variety of true orange flesh and skin, not suitable for staking. It bears smooth fruits of medium size, thick flesh and mild flavor. Seed scarce. Pkt., 15c; ½ oz., 65c; oz., \$1.25.

Giant Tree or Italian Potato Leaved. 90 days. "The finest slicing tomato that we know of. The quality is outstanding." Largest, smoothest, heaviest yielding big one. Pkt., 50c; ½ oz., \$1.50; ¾ oz., \$2.75. See Novelty page 6.

Beauty (Purple). 82 days. Vines, vigorous and heavy bearers, fruit large, uniform; very smooth purplish pink skin; flesh light pink. Pkt., 10c; ½ oz., 45c; oz., 85c.

Crimson Cushion or Beefsteak. In about 96 days. Is very large, round and regular; bright scarlet skin. Solid flesh of best quality, seed cells small. Pkt., 10c; ½ oz., 50c; oz., 95c.

MAIN CROP

New Globe. Matures in about 82 days. This ball-shaped variety yields a heavy crop. The skin is a smooth, purplish pink. Uniform fruits. Pkt., 10c; ½ oz., 50c; oz., 95c.

Greater Baltimore (Indiana Strain). In about 83 days. Similar to Stone and very productive, fruits deep scarlet red often weighing 6 ounces; smooth and very solid. Pkt., 10c; ½ oz., 45c; oz., 75c.

Greater Baltimore (Indiana Strain) certified. Pkt., 15c; ½ oz., 50c; oz., 85c.

Pepper. 80 days. This is purplish red, very smooth, medium sized of excellent quality, with few seeds, and a sub acid flavor. Plants are dwarf but prolific. Fruits do not crack. Pkt., 15c; ½ oz., 40c; ¾ oz., 70c.

Dwarf Champion. About 86 days. Of dwarf habit and upright tree-like growth. It is of medium size, very smooth, purplish pink. Pkt., 10c; ½ oz., 45c; oz., 80c.

Improved New Stone. 86 days. Smooth skin, small core, fine-grained flesh with little acidity. Pkt., 10c; ½ oz., 30c; oz., 50c.

Improved New Stone Certified. Pkt., 15c; ½ oz., 40c; oz., 65c.

Dwarf Stone—The Largest Dwarf Tomato. 92 days. It resembles "Dwarf Champion," but is of stronger growth and more erect. Pkt., 10c; ½ oz., 50c; oz., 95c.

FOR GREENHOUSE

Livingston Globe. Pink.
Michigan State Forcing. Red.
Any of above, pkt., 25c.

MAKE EVERY TOMATO FLOWER SET FRUIT

And grow seedless tomatoes. Seedless-Set Concentrate spray will fertilize blossoms when first developed, insuring fruit as much as 30 days earlier in damp, cool weather when blossoms fail to fertilize normally and drop off.

Apply with any spray to flowers of tomatoes, cucumbers, peppers, egg plants. Fruits produced by blossoms sprayed are seedless, of premium quality. Developed by famous Boyce-Thompson Institute. One-half ounce will treat 100 plants, \$1.00; 2 oz., \$2.50; 20 ounces, \$7.50, prepaid.

NO HOME garden should be without this crop, which excels in nutritive value, heavy yield for space occupied, and the many ways in which it can be served. Whether the big ones or the commercial type are preferred for a main crop, an early variety should always be grown to start the harvest.

Plants started six to eight weeks before are set out two weeks after frostproof date when all danger of chill is over. Pruned plants can be grown to stakes or fence 18 inches apart; space unpruned 2 to 4 feet apart. Plants for late varieties can be grown from seed in open, preferably not transplanted.

Wilt Resistant Strains

★Rutgers. In 86 days. New Jersey Experiment Station cross on Marglobe. One of heaviest croppers. Pkt., 10c; ½ oz., 35c; oz., 65c; ¾ lb., \$2.00.

Rutgers certified. Pkt., 15c; ½ oz., 40c; oz., 75c.

★Pritchard (Scarlet Topper). 76 days. The fruit is solid, yield heavy and the color a brilliant red. It is a resistant second early of great merit. Pkt., 10c; ½ oz., 40c; oz., 70c.

Pritchard certified. Pkt., 15c; ½ oz., 45c; oz., 80c.

★Marglobe. 77 days. Second-early, red-fruited variety suitable for trucking or canning. As early as Bonny Best, produces large, smooth, meaty, globular red fruits which ripen uniformly and are relatively free from cracks. They make a splendid canned product and first class pulp. Pkt., 10c; ½ oz., 35c; oz., 60c.

Marglobe certified. Pkt., 15c; ½ oz., 40c; oz., 75c.

★Break O'Day. 70 days. Developed by F. J. Pritchard, of Washington, D.C. A new wilt-resistant tomato that is nearly as early as Earliana and as productive as Marglobe. Its fruits are large, smooth, meaty, red and globular, very similar to Marglobe but usually larger. Used whole for salads or stuffed. Pkt., 10c; ½ oz., 40c; oz., 75c.

Break O'Day certified. Pkt., 15c; ½ oz., 50c; oz., 90c.

Grothen's Globe. 68 days. A selection from Break O'Day, having much heavier vines. Fruits red, globe shape, thick walls, firm, free from yellow color at stem end. Average 7 to 8 oz. Pkt., 10c; ½ oz., 45c; oz., 85c.

Early Baltimore. 73 days. Illinois University selection, thriving on all soils. Early Baltimore certified. Pkt., 15c; ½ oz., 40c; oz., 75c.

Garden State (Scarlet Canner). 83 days. Highly productive, bright red fruits, smooth, globular and extremely solid. Similar to Greater Baltimore in shape and season. Pkt., 10c; ½ oz., 40c; oz., 75c.

EARLY, SMALL VINES

Do Not Prune.

★Bounty. 60 days. Compact, small vine, not to be staked. Introduced by Dr. Harold Mattson, North Dakota Experiment Station. Excellent for the home garden, very productive. Pkt., 15c; ½ oz., 50c; oz., 90c.

Early Chatham. 60 days. Very early, rich red globe, fruits 1½x2 inches. Very prolific, vine small, about 1½ feet in diameter. Exceptionally good for northern districts. Pkt., 15c; ½ oz., 50c; oz., 90c.

★Firesteel. 62 days. A small vine, large fruited tomato that is early, smooth, red through, of semi-acid flavor. For dry seasons there is nothing equal to it. It will set fruit when other types are dropping their blossoms. Pkt., 15c; ½ oz., 50c; oz., 90c.

EARLY, LARGE VINES

Select Earliana. 66 days. Large, smooth bright pink variety. Jointed tomato. This variety is compact with stout jointed branches; the vines yield well and the fruit is of fine quality. Pkt., 10c; ½ oz., 45c; oz., 85c.

John Baer. About 70 days. Extra early red. Not quite so early as Earliana, though there is only a few days' difference. John Baer yields a much heavier crop of larger, more uniform and more attractive fruits. Most profitable extra early sort. Pkt., 10c; ½ oz., 40c; oz., 75c.

John Baer certified. Pkt., 15c; ½ oz., 50c; oz., 90c.

Bonny Best. 74 days. A shade later than John Baer. Smooth, large and uniform fruit; yields well until frost. Pkt., 10c; ½ oz., 40c; oz., 75c.

Bonny Best certified. Pkt., 15c; ½ oz., 50c; oz., 90c.

June Pink. In 69 days. This is the earliest of the pink varieties and is similar in habit to the famous Earliana. Pkt., 10c; ½ oz., 40c; oz., 75c.

Chalk's Early Jewel. In 74 days. Similar to Bonny Best. Pkt., 10c; ½ oz., 40c; oz., 75c.

Chalk's Jewel certified. Pkt., 15c; ½ oz., 50c; oz., 90c.



PEAR TOMATOES.

SMALL FRUITED TOMATOES

Very Desirable for Pickles and Preserves. Mature in about 73 days.

Any of the following, pkt., 10c; ½ oz., 40c; oz., 75c.

Red Currant. Very small.

Red Cherry. Small fruit, bright scarlet.

Two Peach Tomatoes. Red or yellow.

Yellow Plum and Red Plum. Fruit 2 inches.

Yellow Pear and Red Pear. Distinct shape.

Ground Cherry, Husk or Strawberry. The small yellow fruit is enclosed in a husk. It is very sweet; prized for eating, preserving and making pies.

Italian Canner. 75 days. A very productive, long plum-shaped tomato. It is firm, not having any hollow parts, and the walls are exceptionally thick. Pkt., 10c; ½ oz., 40c; oz., 75c.



BORAGE.



ROSEMARY.

MIXTURE OF ANNUAL HERB SEEDS FOR 15c.

This is intended to meet the needs of those who want to grow a row or bed of herbs without sowing a full packet of each variety. It will contain all available varieties of useful annual herbs. Sow in a nursery row, or seed box and transplant to a row or border in the Victory garden.

MIXTURE OF PERENNIAL HERB SEEDS FOR 15c.

For small gardens, this will give enough plants of assorted varieties to supply the family needs, without the expense of purchasing a packet of each. Sow in a nursery row and transplant in the fall to a permanent location.

Anise. Used for garnishing, seasoning and for cordials. Pkt., 10c; ½ oz., 30c; oz., 50c.

Anise-Hyssop. *Agastache anethiodora*, a perennial, a native plant of America. The seed should be sown in late fall or very early spring and kept moist until plants are well established. A flowering plant 2 to 2½ ft. tall with purple bloom from June until September. Used to season cooked dishes or for bee food, for which it has no equal. Pkt., 25c; ¼ oz., \$1.40; ½ oz., \$2.60; oz., \$5.00.

Basil, Sweet. The leaves are used for flavoring soups and stews. Pkt., 10c; ½ oz., 35c; oz., 65c.

Borage. Flowers excellent for bees. Leaves used in salads. The flower spikes can be used in cooling drinks. Pkt., 10c; ½ oz., 35c; oz., 60c.

Caraway. Seeds are used for flavoring bread, pastry, meats, etc. Pkt., 10c; ½ oz., 20c; oz., 30c.

Catnip. Grown for bee pasture. The leaves and young shoots are used for seasoning. Pkt., 10c; ½ oz., 70c; oz., \$1.35.

Chamomile (Anthemis Nobilis). The dried flowers possess medicinal value. Pkt., 10c.

Chives. Member of the onion family used for flavoring. Pkt., 15c; ½ oz., 50c; oz., 85c.

Coriander. The seeds are used for flavoring. Pkt., 10c; ½ oz., 30c; oz., 50c.

Dill. Leaves are used in pickles and for flavoring soups and sauces. Pkt., 10c; oz., 25c; ¼ lb., 65c; lb., \$2.00.

Fennel. The leaves boiled are used in fish sauces and are excellent for garnishing. The seeds are used for flavoring. Pkt., 10c; ½ oz., 25c; oz., 40c; ¼ lb., \$1.35.

Horehound. The leaves are used for flavoring and also in the manufacture of cough remedies. Pkt., 10c; ½ oz., 50c; oz., 90c.

Lavender Spica. The leaves are sometimes used for seasoning, but the plant is chiefly grown for its flowers, which are fragrant. There are two kinds. Pkt., 10c; ½ oz., 50c; oz., 90c.

Lavender Vera or True. The best. Pkt., 10c; ½ oz., 40c; oz., 75c.

Rosemary. Pkt., 15c; ½ oz., 40c.

Saffron. Used for coloring dishes, also flavoring. Pkt., 10c; ½ oz., 40c; oz., 70c.

Summer-Savory. The leaves and young shoots are used for flavoring. Pkt., 10c; ½ oz., 40c; oz., 75c.

Sage, English Broad Leaf. Pkt., 10c; ½ oz., 40c; oz., 75c.

Sweet Marjoram. Pkt., 10c; ½ oz., 40c; oz., 70c.

Thyme. Used for seasoning; a tea is also made for nervous headache. Pkt., 15c; ½ oz., 90c; oz., \$1.70.

Herb Vinegars Teas

Herb plants, herb vinegars, herbal and tisanes, or herbal teas, are shipped direct from our plant in Wisconsin.

Plants in small lots are shipped by parcel post, but in lots of 10 or more are shipped by express at buyer's expense.

All vinegars, and tisanes in glass jars are shipped by express at buyer's expense.

No C.O.D. shipments can be made of any of these items.

Minimum Order, 2 Jars; All Shipped by Express Collect

HERB VINEGARS

After fresh herbs have been infused in vinegar many weeks, vinegars are strained, filtered, and sealed in attractive glass jugs. A handy way to add these flavors to salad dressings, sauces, meats, pickles, etc.

Basil—A spicy flavor.

Burnet—Delicate cucumber flavor.

Chives—Where a delicate onion-like flavor is desired.

Dill—Strong dill flavor.

Fennel—Anise-like flavor.

Garlic—A handy way to add a suggestion of this flavor.

Mint—A basis for mint sauces; useful in many ways.

Tarragon—Much used in fine cookery.

Mixed Herb Vinegar—A careful blend of seven herbs, useful for many purposes.

Two glass jugs of any of the above, each holding about 4 oz. for 75c.

Boxed collection of four 4-oz. jugs, your selection of above, per box, \$1.50.

TISANES OR HERBAL TEAS

Herb Teas in general are made by pouring boiling water over the dried herb (about one teaspoonful to each cup of water), allow to steep about ten minutes, strain. Serve plain or with lemon or honey. Milk and cream are taboo. A porcelain container, and not metal, is used as in making other teas.

Chamomile—Well known for its delightfully soothing quality.

Peppermint and Elder Flower—Delightful lemon flavor.

Mint—Very refreshing with slice of lemon, served hot or cold.

Alfalfa and Peppermint.

Wintergreen or Teaberry.

Sage.

Cellophane bags of two of the above, your selection for 85c.

Plants for Your Herb Garden

Ten Annual Herb Plants, Your Choice, by Express, at Buyer's Expense, for \$2.50.

Ten Perennial Herb Plants, Your Choice, by Express, at Buyer's Expense, for \$3.00.

The following Herb Plants will not be sold less than three or more of a kind except where ten or more are ordered.

SCENTED VARIETIES

Ready May 1. 3 of a kind, \$1.25 prepaid.

True Tarragon, Balm Scented Pelargonium, Camphor Scented Pelargonium, Lemon Scented, Mint Scented, Nutmeg Scented, Pine Scented, Oak Leaved, Giant Oak Leaved, Rosemary, Rose Scented Geranium, Snowflake Geranium, Walnut Scented Geranium, Pineapple Salvia and Robers Lemon Rose.

PERENNIAL VARIETIES

Ready May 1. 3 of one kind, prepaid, \$1.10; in lots of 25 or more, any varieties, 25c each by express collect.

Burnet, Chives, Coltsfoot, Comfrey, Costmary, German, Horehound, Hyssop, Horseradish, Lavender Cotton, Lovage, Applemint, Bergamot, Curly Mint, Spearmint, Round Leaved Mint, Catnip, Pine-applemint, Oregano, Peppermint, Rue, Sage, Wide Leaved English Mint, Winter Savory, Sorrel, Southernwood, Dwarf Southernwood, Tansy, Kitchen Thyme, Lemon Thyme, Lemon Balm.

ANNUAL VARIETIES

Ready May 1. 3 of one kind, \$1.00 prepaid; in lots of 25 or more, any varieties, 20c each by express collect.

Sweet Basil, French or Soup Celery, Celeriac, Chervil, Florence Fennel, Garlic Plants, Parsley, Summer Savory

Sampler Box of Dried Herbs, \$1.25

Liberal amounts of the following, each in a glassine envelope, including: Basil, Lovage, Mint, Sage, Fennel, Thyme, Poultry Seasoning, Fish Herbs, Omelet Herbs, Salad Herbs, Meat Herbs and Tomato Herbs.

Magic Box of Culinary Herbs, 4 \$1.75 jars, your selection, \$1.25; 6 jars,

Basil, Celery, Chives, Fennel, Powdered Garlic, Lovage, Marjoram, Mint, Parsley, Rosemary, Sage, Savory, Thyme, Poultry Seasoning, Fish Herbs, Savory Meat Herbs, Omelet Herbs, Salad Herbs, Tomato herbs.

New and Standard—Giant Dahlias



STRAIGHT CACTUS

OUTSTANDING DAHLIAS

The following can be supplied in tubers only.

- All American.** (S. C.) Mulberry rose suffused salmon with wax yellow at base of petals. Plants are medium in height, very vigorous and insect resistant. Blooms are held on strong straight stems. Each, \$1.50.
- Axford Triumph.** (I. D.) A deep golden orange. A large Australian variety which is becoming very popular for exhibition. Plants are robust with good foliage and stem. Each, \$1.50.
- Bess Smith.** (I. D.) A very good white with a slightly creamy center. Blooms are large and of good substance. Free bloomer with good habits of growth with fine stems. A good root maker. One of the best whites. Each, \$1.50.
- Beautiful Lady.** (F. D.) Bright lemon yellow, very fine. Rugged grower with good stems. Insect resistant foliage. Profuse and early, and good root maker. Each, \$3.00.
- Black Monarch.** (S. C.) A very dark velvety red. A free bloomer with long strong stems holding the flowers well above the spreading bushes. Blooms have a lot of substance and keep well after cutting. A winner on the show tables. Each, \$5.00.
- Blue Moon.** (F. D.) Lavender shading to lilac-purple at base giving the general effect of being blue. Strong stems. Heavy foliage. Each, \$1.00.
- Blue Rose.** (F. D.) A light yellow base overlaid bluish-rose giving it beautiful effect. Blooms held on stiff stems of good length. Free bloomer and fine for cutting. Each, \$1.00.
- Cherokee Brave.** (I. D.) Ox-blood red that hold its color in the sun. Long stiff stems. Strong grower with heavy foliage. Each, \$1.00.
- Commando.** (F. D.) A clean shade of dark lavender which needs no special attention to produce large flowers. Bushes healthy with heavy resistant foliage. Good root maker. Each, \$1.00.
- Crowning Glory.** (I. C.) Rose pink with creamy center. A most beautiful and artistic dahlia. Flowers are of large size carried on ideal stems. Winner of many blue ribbons at all leading shows. Each, \$1.50.
- D Day.** (I. D.) An outstanding clear pink with flowers carried on long strong stems. Bush is vigorous and free-branching. Fine for cutting. Each, \$2.50.
- Dahlia mium.** (I. D.) A very large deep flower of cadmium apricot with a golden sheen. Bushes massive and wide-spreading. Free bloomer with strong stem. Each, \$1.00.
- Dixie Wine Dot.** (I. D.) Pleasing white speckled and splashed wine red. One of the largest bi-color to date. Strong growing bushes that will not stunt. Winner of many medals and blue ribbons. Each, \$1.50.
- Double Duty.** (F. D.) A deep pink, globular flower on long stems. Flowers are produced early and are of excellent substance. Bush is vigorous and free branching. Each, \$1.50.
- Edgar Guest.** (S. C.) A sulphur yellow. Early and profuse bloomer. An outstanding vigorous grower with good stems. Each, \$1.50.
- Esplendido.** (I. C.) Soft reddish pink. A very pretty cactus on long straight stems. Bushes are tall and foliage is fairly heavy. Profuse bloomer. Each, \$1.50.

IN THE following we offer what we consider the best of the Foreign and American Dahlias. We will supply Tubers of proper planting size on all varieties listed.

KEY TO ABBREVIATIONS: F. D., Formal Decorative; I. D., Informal Decorative; S. C., Semi-Cactus; Str. C., Straight Cactus; I. C., Incurved Cactus.

KEEPING CUT DAHLIAS

After cutting, strip the foliage except at the top; recut the stem and immerse in water as hot as the hand can bear, being sure that none of the foliage gets in the water. When the water cools the Dahlias are transferred to a pail of cold water and left in the cellar overnight. We have found that they keep several days and increase in size.

Eventide. (I. D.) True purplish shadings. Its unusual production of big blooms, most excellent stem and vigorous habit of growth, good substance of bloom make it one of the best. Each, \$1.00.

Jane Lausche. (S. C.) A new color combination in a large dahlia. Rosy mauve tipped white. The plants are open, fast growers and produce blooms early and in profusion until frost. A standout in semi-cactus bi-color class. Each, \$4.00.

Kentucky Sportsman. (I. D.) Color yellow at center, outer petals golden amber, with rosy reverse, each petal tipped white. It blooms early and freely and is without a doubt the most beautiful bicolor. Each, \$1.00.

Lois Walcher. (F. D.) Color, deep amaranth purple that breaks sharply into pure white. The stems are ideal. The healthy bush is an early and prolific bloomer. Each, \$1.00.

Maffie. (S. C.) Bright glowing red that does not fade or burn. Stems heavy and long with flowers facing outward. The plant has a good growing habit, foliage is insect proof. Plants should be topped when 1 foot high. Each, \$2.00.

Michigan White. (S. C.) One of the best of the white cut-flower and exhibition dahlias. The well formed flowers are carried on long strong stems. Substance of flower is excellent, keeping well when cut. Blooms are of medium size. Each, \$1.00.

Mrs. Thomas A. Edison. (I. D.) Deep rose red with rhodamine purple lined silver on the reverse; a striking color effect. Blooms are very large. The plants tall and rugged. Each, \$2.00.

Monarch. (F. D.) Oxblood red that holds its color in hot weather. A fine red with the best of stems from wide-spreading free branching bushes. Each, \$1.00.

Montibello. (I. D.) Very beautiful violet red flowers carried on strong stems well above foliage. Strong wide-spreading bushes producing large clumps. Each, \$1.00.

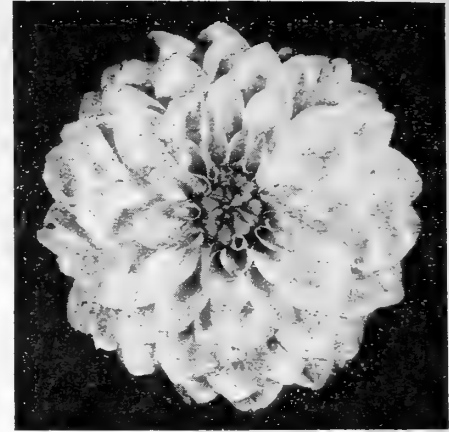
Mother Koenig. (I. D.) A large shrimp pink blending to yellow at the center. Serrated petals makes it most attractive. An early and free bloomer. Each, \$1.50.

Nation's Pride. (I. D.) Peach red suffused buff. An Autumn shade with long stems. A beautiful, large dahlia and excellent cut flower. A good bloomer. One of the best. Each, \$2.00.

Nancy Ann Mitchell. (I. C.) Vivid scarlet. Perfect formation and stems have made this a consistent winner. The free blooming habit and striking color makes a fine showing in the garden. Each, \$1.00.



SEMI-CACTUS



FORMAL DECORATIVE

Norma Morton. (I. D.) Golden yellow, each petal distinctly edged deep orange. Flower can be grown quite large and completes nicely to stem which is strong and erect. Bush is vigorous with heavy foliage. A variety you can count on. Each, \$1.50.

Pink Giant. (I. D.) Tyrian pink. This brightest of pink tones has long been lacking in a good dahlia. Long erect stems hold flowers facing and slightly elevated. Strong rugged bushes. Each, \$1.00.

Rhythm. (I. C.) Cameo or shrimp pink with suffusion of soft rose with lemon shadings at the base of the petals and center of the flower make it most unusual. One of the best 1943 dahlias. Be sure to grow this new pink creation. Each, \$2.00.

Sarett's Pink Flamingo. (Inc. C.) A Tyrian pink, with center of empire yellow and tips of rose pink. Blooms are well formed and of excellent substance on strong stems. Plant growth vigorous with tough dark green foliage. A winner at the shows. Each, \$3.50.

Son of Satan. (S. C.) Intense flame red on excellent stems. One of the largest and brightest of its type. A sensation in any garden and a winner in any show. Each, \$1.00.

Sherwood Peach. (I. D.) Orange apricot of immense size. Plant growth is robust with cane-like stems. A midseason bloomer and a real contender for the large bloom class. Each, \$2.00.

The Real Glory. (F. D.) A pure waxy white of good size, notable for its exceptional substance and keeping qualities. Flowers are well formed and carried on perfect stems. Strong grower. An outstanding white. Each, \$1.50.

The Governor. (F. D.) A large bright sulphur yellow which is definitely a formal. Early to bloom, it gives a wealth of flowers until frost. Strong grower with good stems. Each, \$1.00.

Thomas A. Edison. A royal purple with a brilliant rich finish. Each, \$1.00.

Virginia Rute. (S. C.) Deep rich velvety maroon red with broad pointed petals, having tight centers, good form and substance. Blooms are held well above foliage. Strong grower with insect resistant foliage. Each, \$1.00.

Victory. (F. D.) Rose pink with a golden suffusion. Bush is vigorous and free branching with canes coming from the base of the plant producing many fine blooms. Each, \$1.00.

Velvet King. (F. D.) Dark velvety cardinal. Bush medium with dark heavy foliage. An early bloomer that does not fade during hot weather. Each, \$1.50.

White Champion. (S. C.) Pure white. One of the largest. A dahlia with great vigor and heavy insect resistant foliage. Flowers can be grown over twelve inches and are held facing on strong stems. Strong grower. Each, \$1.50.

White Christmas. (F. D.) A beautiful, perfectly formed white of exhibition quality. Long straight stems on very tall plants. A rugged, vigorous grower that will not stunt. Each, \$1.50.

World's Event. (F. D.) A deep mauve pink. Very prolific, good stems and position. Heavy foliage and a wide-spreading, free branching grower. Bloom good size and depth. Each, \$2.00.

SPECIAL OFFER. (80) One tuber each Double Duty, Mrs. Thomas Edison, Norma Morton, Velvet King and White Christmas for \$6.40 postpaid.

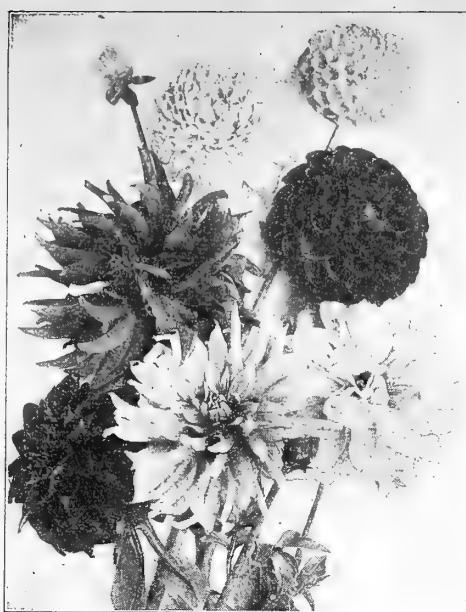
SPECIAL OFFER. (80 A) One tuber each Crowning Glory, Eventide, Monarch, Nancy Ann Mitchell, Sherwood Peach and Son of Satan for \$6.00 postpaid.

SPECIAL OFFER. (80 B) One tuber each Dahlia mium, Lois Walcher, Michigan White, Pink Giant, Cherokee Brave and The Governor for \$4.80 postpaid.

STANDARD VARIETIES

TUBERS ONLY

- Avalon.** (F. D.) Pure, clear yellow with large flowers. Each, 50c.
- California Idol.** (I. D.) A clear yellow. Deep flowers of fine form with high centers. Produces blooms in profusion on strong bushes. Each, 75c.
- Florist White.** (F. D.) Pure white, fine shaped flowers with long, stiff stems. Good grower. Each, 50c.
- Gallant Fox.** (F. D.) A brilliant red. It has keeping qualities, sturdy stem and fine color. Each, 50c.
- Hunt's Velvet Wonder.** (I. D.) Color is a rich violet purple. The huge blooms can be grown to immense size. Each, 75c.
- Jane Cowl.** (I. D.) Buff and old gold blending to a bright salmon at the center. Each, 50c.
- Jean Trimbee.** (S. C.) Color of richest deep petunia violet, of immense size, borne well above the foliage on stiff rigid stems. Each, 75c.
- Jersey's Beacon.** (F. D.) The color is Chinese-scarlet with a paler reverse, giving a two-toned effect. Each, 50c.
- Jersey's Beauty.** (F. D.) A perfect bloom of eosine pink, carried high on wiry stem. Each, 50c.
- Jersey's Red Beauty.** (F. D.) Bright red with same habit of growth as Jersey's Beauty. Good form, color and stem. Each, 75c.
- King of the Blacks.** (F. D.) Darkest rich velvet red, almost black. Compact, vigorous. Each, 75c.
- Marie.** (F. D.) A true pink of vigorous habit and a big root maker. Blooms 5 to 6 inches. Useful for cutting and one of the best garden dahlias. Each, 75c.
- Mrs. Geo. Le Bouttlier.** (I. D.) A rich velvety carmine giant in size and outstanding in all respects. Each, 75c.
- Mrs. I. de Ver Warner.** (F. D.) A bright lilac rose, good form. Large blooms on long wiry stems. Each, 50c.
- Mrs. James Albin.** (F. D.) A clear yellow with fine formal blooms carried on straight stiff stems. Sturdy growth and branches freely. Each, 75c.
- Monarch of the East.** (F. D.) It is a big, bold bloom, a real giant in the dahlia world. Its color is a golden bronze with a coral red reverse. Each, 75c.
- Negus.** (F. D.) Oxblood red to almost black in center. Good size blooms held erect on strong stems. A strong robust plant with fine insect-resisting foliage. Each, 75c.



MINIATURE AND POMPON DAHLIAS

- Pride of Austenburg.** (I. D.) A soft apricot shading violet rose a reverse of light purple. Each, 50c.
- Rose Glory.** (F. D.) Deep rose-pink. Free and early bloomer. Strong grower with long straight stems. Each, 50c.
- White King.** (F. D.) A leading pure white for exhibition and cut flower. Perfect blooms on long stems. Each, 50c.
- White Wonder.** (F. D.) The giant blooms are pure white with long twisted and curled petals. Foliage thick, leather-like. Each, 75c.
- SPECIAL OFFER. (81) One tuber each Marie, Mrs. Geo. LeBouttlier, Mrs. James Albin, Monarch of the East and Rose Glory for \$2.80 postpaid.**
- SPECIAL OFFER. (81 A) One tuber each California Idol, Gallant Fox, Jane Cowl, Jersey's Beauty, Pride of Austenburg and White King for \$2.60 postpaid.**
- SPECIAL OFFER. (81 B) One tuber each Avalon, Florist White, Jean Trimbee, Jersey's Red Beauty and Mrs. I. de Ver Warner for \$2.40 postpaid.**

MINIATURE DAHLIAS

TUBERS ONLY

- These small type Dahlias have become popular owing to their usefulness. Can be planted in garden, border or beds fairly close, about 20 to 24 inches apart. Their freedom of bloom and keeping a long time when cut make them ideal for arrangements.
- Baby Sagamore.** (F. D.) Amber yellow suffused peach red. Bush sturdy with good stems. Each, 50c.
- Bishop of Llandorf.** (Peo.) Bright scarlet with deep garnet center. Lacy foliage of reddish bronze. Each, 50c.
- Dubonnett.** (S. C.) Deep maroon red that does not fade. Very profuse bloomer. Sturdy compact bushes. Each, 75c.
- Fairy.** (F. D.) A soft violet rose shading mauve at tips. Very early and continuously in bloom. Each, 50c.
- Princess Alba.** (F. D.) Pure white. The plants are tall, an excellent grower. Free bloomer with fine stems. Each, 50c.
- Rapture.** (I. D.) Rose pink shading to sulphur yellow at center. Fine bush growth and free bloomer with good stems. Each, 50c.
- SPECIAL OFFER. (81C) One each of the above 6 varieties for \$2.60 postpaid.**

POMPON DAHLIAS

TUBERS ONLY

- Under this head come those small Bouquet Dahlias that are so popular for cut flowers.
- Cardinal.** Fiery scarlet, good grower and fine stems. Each, 40c.
- Edith Mueller.** A bright soft apricot suffused peach red. Much in demand as cut flower. Each, 40c.
- Mary Munns.** A fine pure lavender for exhibition or cutting. Each, 40c.
- Morning Mist.** White tipped lavender very free bloomer with fine long stems. Each, 40c.
- Rosa Wilmoth.** Fine rose pink and free bloomer. Fine cut flower variety. Each, 50c.
- Sherry.** A deep purple which is nearly round and very attractive. Each, 50c.
- Snowclad.** A fine pure white. Good grower, free bloomer with strong stems. Each, 40c.
- Yellow Gem.** A fine deep yellow of fine form and good stems. A leading cut flower variety. Each, 40c.
- SPECIAL OFFER. (81 D) One each of the above 8 varieties or \$2.70 postpaid.**

100 Strawberry \$3 Plants,

Special Offer No. 181S. A Strawberry collection, 100 fine strong plants (spring delivery only) in four good sorts, our selection, postpaid, for \$3.00.

Strong Field Grown Plants, Shipped from Early Spring up to May 15

STANDARD VARIETIES

- DORSETT.** Early. Will undoubtedly be a leader among early, heavy cropping varieties.
- FAIRFAX.** Medium early. Rich in flavor, uniformly large fruit in abundance.
- ROBINSON.** The new super berry. Finest flavor. Large, glossy, firm, red fruit.
- PREMIER.** Early. Berries are large, beautifully formed, red through and through; flavor delicious. A splendid shipper.
- PRICE,** on the above varieties, 25 for \$1.40; 50 for \$2.25; 100 for \$3.50, postpaid.
- SENATOR DUNLAP.** Midseason. The fruit is dark red with glossy finish. The meat is a bright red all through and exceedingly juicy. It succeeds everywhere and with everybody—the beginner as well as the veteran grower. **Price,** 25 for \$1.00; 50 for \$1.60; 100 for \$2.65, postpaid.

EVERBEARING VARIETIES

- GEM.** A good medium size, heavier producing everbearing berry. Fine quality and firm everbearer. Produces during late summer months large size berries of fine appearance and flavor. **Price,** 25 for \$1.90; 50 for \$3.15; 100 for \$5.00, postpaid.
- MASTODON.** Most widely planted everbearer. **Price,** 25 for \$2.55; 50 for \$4.35; 100 for \$7.00, postpaid.
- NEW MINNESOTA 1166.** Heavy yielding everbearer. Loaded with great berries from July until November. **Price,** 25 for \$2.75; 50 for \$4.50; 100 for \$7.50

New and Popular Cannas

Cannas are becoming more popular. The new varieties with large flowers in new colors are unequalled for creating a colorful show from July till frost. They do best in full sun and respond quickly to feeding.



DOROTHY S.

Number of Cannas required for round beds planted eighteen inches apart each way: Seven feet—19 plants, one for center; six for first row, twelve for second row. Ten feet—37 plants, one for center; six for first row, twelve for second row, eighteen for third row.

- City of Portland.** 3½ ft. Compact, luxuriant, dwarf, growth. Leaves green. Flowers rosy pink.
- Hungaria.** 3½ ft. Best pink Canna. Leaves bluish green, never burn. Flowers large, with big petals.
- King Humbert.** 4 ft. Scarlet flowers, bronze leaves. This remarkable "Gold Medal" Canna has been the sensation of the past fifteen years.
- The President.** 4 ft. A rich glowing scarlet on strong stalks; green foliage.
- Yellow King Humbert.** 4 ft. Foliage a very dark green, flowers a deep rich yellow, softly spotted and blotched with bright red.

PRICES OF ABOVE

DORMANT 2-3 EYE ROOTS. Available March 1 to April 15; 3 for 60c; \$2.00 per doz.; \$14.00 per 100.

CHOICE CANNAS

- Dorothy S.** 4 ft. A beautiful salmon red. Green foliage. Produces large flowers on very vigorous plants.
- Eureka.** 4 ft. Free-flowering variety with striking white flowers which first appear cream. Green foliage.

PRICES OF ABOVE

DORMANT 2-3 EYE ROOTS. Available March 1 to April 15; 3 for 75c; \$2.50 per doz.; \$17.00 per 100.

Vaughan's Gladioli

Lake Geneva Collection GLADIOLI

Ten of each of the following ten representative varieties of Gladioli (100 first size Bulbs) will be sent postpaid, for **\$1200**

- 10 Lavender Ruffles, Large Lavender
- 10 Chas. Dickens, Purple Violet
- 10 Dr. Bennett, Scarlet
- 10 Vagabond Prince, Smoky Old Rose
- 10 Miss Bloomington, Good Light Yellow
- 10 Picardy, Apricot Pink
- 10 Maid of Orleans, Milky White
- 10 Ethel Cave-Cole, Light Pink
- 10 Pelegrina, Violet Blue
- 10 Snow Princess, White

Please allow us to substitute other varieties if we are sold out when your order is received.

BEST OF THE NEW INTRODUCTIONS

American Commander (New). Dec. Blood red or a little darker. Opens 6-7 large, plain-petaled blooms on a long head of about 20 buds. Very tall, strong, straight and vigorous. Opens well in water and is one of the best cut flower reds of a medium shade. Each, 35c; doz., \$3.50.

Badger Beauty (Krueger). Dec. A beautiful lavender of average height with a creamy white throat. The flower heads are about 20 inches in length and carry 17 buds, of which 5 open in the field. A promising mid-season cut flower variety. It does not fleck or grow crooked. Each, 35c; doz., \$3.50.

Big Red (Vaughan). Ex. Extra strong growing blood red. Very large florets, well placed and holds open very well. Has very heavy foliage and tall spike. Each, 35c; doz., \$3.50.

Bonnie Jeane (Krueger). Dec. One of the most beautiful. Pearl-like effect results from rose red throat spears on ruffled, white florets. It is one of the most ruffled varieties in existence. The florets are 5 in. across on average length flower heads. Blooms in mid-season and does not require excessive fertilizer or water. Each, 60c; Doz., \$6.00.

Chamouny (Baerman). Ex. An outstanding decorative variety. Rich, light cerise rose with the faintest edging of light rose; perfectly placed florets on tall slender spike, eight or more open at same time. Each, 25c; doz., \$2.50.

Convoy (Palmer). Ex. Clear rose purple, slightly deeper in throat. Florets are large, of good texture and well placed on tall spikes. One of the finest purples. Each, 35c; doz., \$3.50.

Corinne Vaughan. (Vaughan). An orchid self, with the tallest spike and largest florets yet produced in this color. It is definitely earlier than Minuet, which in our opinion, it surpasses in size and beauty. It has exceptionally large florets, well placed and facing properly. Each, 40c; doz., \$4.00.

Elizabeth the Queen (White). Ex. Clean mauve with darker lines on the throat. Large, beautifully ruffled, fine form. 7-8 blooms open. Size runs from 5 to 6½ inches. Very distinctive and beautiful lavender, that has taken the country by storm. Each, 45c; doz., \$4.50.

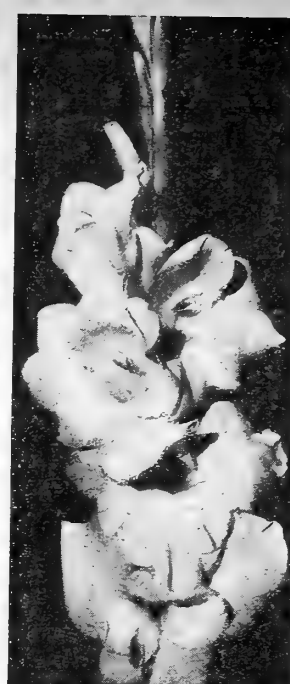
Ethel Cave-Cole (Cave). Ex. Pure light pink sometimes flaked. Very strong, husky grower. Makes a spike of 9-10 large, well placed blooms on a head of 20-24 buds. Fine for exhibition, cut flowers or for the home garden. Each, 25c; doz., \$2.50.

Exemplar (Krueger). Dec. The tall vigorous plants with blue green foliage attract attention even before it produces, in late season, its beautiful, intensely ruffled salmon pink florets with cream throats. It opens 7 to 9 florets of 4-inch size at one time on a 24-inch flowerhead of 20 buds. It is a prolific propagator and exceptionally healthy. It is free of crooked stems. Each, 50c; doz., \$5.00.

For Type Classification which is used at all Flower shows, we are marking each variety as follows: Ex.—Exhibition. Dec.—Decorative. S. D.—Small Decorative.



ELIZABETH THE QUEEN



SNOW PRINCESS



MARGUERITE

Glamis (Palmer). Ex. Very beautiful clear salmon rose, creamy lip. 6-8 large wide open, fluted, needle point blooms open on a plant of medium height or better. Each, 40c; doz., \$4.00.

Glen Lake (Vaughan). Ex. In effect it is a lavender self paler than Minuet, with markings negligible and only in the deep throat. Stem is tall and strong. Florets faced well and overlapping, six to eight open at once. It is earlier than Minuet, opens better, is a far better propagator. This is a fine, tall growing variety for the garden, but of exceptional value for cut flower arrangements, both for room decoration and for the costume. Each, 40c; doz., \$4.00.

Harvest Moon (Jack). Ex. Large clear medium yellow shading somewhat deeper toward the center. Tall straight spike. One of the best all around yellow. Each, 40c; doz., \$4.00.

Lavender Ruffles (Wilson). Ex. Pinkish lavender of a beautiful clear, clean shade, somewhat ruffled. Opens several well arranged blooms on a medium height spike. A seedling of Minuet. Its fine clean-cut appearance and earliness should make this a popular variety. Has won many top awards at shows. Each, 25c; doz., \$2.50.

Leading Lady (Johnston). Ex. A white sport of Picardy. Just like Picardy except that it is a beautiful cream white with canary yellow throat. Each, 50c; doz., \$5.00.

Llona (Krueger). Dec. Medium sized, ruffled, creamy white of great bloom bulk. The plants are of average height and produce spikes of 19 buds of which 8 open at one time. This midseason variety with its prolific increase and heavy growth from bulbets is a promising cut flower variety. It does not grow crooked. Each, 25c; doz., \$2.50.

Marguerite (Pommert). Ex. Makes a massive spike of deep watermelon pink, with cream throat. Tall spike with unusually long flower-head. Its exceptional lasting qualities make it a good cut flower. Each, 25c; doz., \$2.50.

Master Myron (Krueger). Ex. Enormous rich red self-color. The florets are of good substance and well placed on tall straight spike. It stands up exceptionally well in the heat. Each, 30c; doz., \$3.00.

Mohawk (Stevens). Ex. Dark velvety red with no markings. Opens 8 well placed 5-inch blooms with 6 showing color. Straight stem, up to 4½ feet tall. Good propagator. A variety that has more vivid color than Black Opal. Each, 30c; doz., \$3.00.

Mother Kadel (Kadel). Dec. Clear medium yellow with no markings. Well placed blooms. Tall spike. One of the best of the newer yellows. Each, 40c; doz., \$4.00.

Oregon Gold (Majeski). A massive five-foot plant, carrying 20 to 24 buds and flowers. Florets of Picardy size and 9 to 10 open at once. A large medium yellow blending to deep yellow in throat. Good producer of bulbets which germinate. Each, 40c; doz., \$4.00.

Pink Radiance (Quackenbush). Ex. Pure light pink with silvery sheen and with slight touch of carmine deep in the throat. Blooms are well placed and of heavy texture. Each, 30c; doz., \$3.00.

Purple Supreme (Wilson). Dec. Tall plant with many well placed bright purple flowers. Fine exhibition variety. Each, 40c; doz., \$4.00.

Red Charm (Butt). Ex. Medium shade of red that is very attractive. Well placed blooms on tall straight stem. Very sturdy. Good as a cut flower and for show use. Each, 40c; Doz., \$4.00.

Rocket (Palmer). Ex. Most vivid, gorgeous scarlet. Opens 7-8 or more medium large perfectly placed blooms on a good length head. The variety is well liked. Each, 30c; doz., \$3.00.

Silentium (Pfitzer). Dec. A striking white, blending to a cream center containing a small carmine marking. Slender stems, excellent placement with regularity, grand cut flower habits, fine blooms from the smaller size bulbs and a good propagator. Each, 25c; doz., \$2.50.

Snow Princess (Pfitzer). Ex. A very fine new white of good size and form. Tall, with long flower spike and many open blooms that are always perfectly placed. Stems never crook. Snow Princess is one of the very best whites. Mid-season. Each, 20c; doz., \$2.00.

Spotlight (Lins). Dec. A brilliant red that because of its consistent performance and excellent heat resistance looks to have a brilliant future in any climate. It is a fine companion to Red Charm. The lightly ruffled blooms are flat and wide open and well placed. Each, 35c; doz., \$3.50.

Valeria (Pruitt). Dec. Improvement on Dr. Bennett, soft red with a narrow mark of light cream in the throat. Stands heat well; never crooks. Five to seven large ruffled flowers of good substance, open at one time. Each, 30c; doz., \$3.00.

White Gold (Scheer). Ex. Clear light cream shading to golden throat. 4-6 very large well placed blooms open at one time. Each, 45c; doz., \$4.50.

General List PINK AND ROSE

Aladdin (Palmer). Ex. Grenadine to grenadine pink or in common language bright beautiful salmon with large cream blotch. 8-10 very large beautifully ruffled blooms open at a time on a long straight spike. Plant very strong and robust. Each, 20c; doz., \$2.00; 100, \$15.00.

Camellia (Palmer). Dec. Blush white tinted pink with slight pink feather. Each, 20c; doz., \$1.75; 100, \$12.00.

Candy Heart (Salbach). Ex. Clear flesh pink with large blotch of light carmine. Each, 20c; doz., \$2.00; per 100, \$15.00.

Debonair (Palmer). Ex. La France pink to shrimp pink in throat with creamy throat mark, lightly peppered crimson. Each, 15c; doz., \$1.50; 100, \$10.00.

Early Rose (Jack). Dec. Medium rose shading to darker blotch. Great favorite with florists. Each, 20c; doz., \$2.00; per 100, \$15.00.

Edith Mason (Vaughan). Ex. Delicate geranium-pink, exquisite. Each, 15c; doz., \$1.50; 100, \$10.00.

Jeanie (Pruitt). Ex. Clear rich pink with white midribs and creamy yellow throat. Each, 25c; doz., \$2.50.

Lulu Hunt. Early geranium pink blending to shrimp center. Each, 10c; doz., \$1.50; 100, \$10.00.

Vaughan's "Standard" Mix- \$3.40
ture: 50 Bulbs. First Size . .

We do not send out any mixtures that will not make a brilliant showing in the gardens of our customers. This one will be found satisfactory everywhere, for mixed beds, borders and masses. These are first-size bulbs. Where wanted by mail add for postage at zone rates, 100 bulbs packed, 6 lbs.

Price, doz., 90c, postpaid; by express, not prepaid, 50 for \$3.40; 100 for \$6.50; 250 for \$16.00; 500 for \$31.00; per 1,000, \$60.00.

YELLOW

- Gold Dust (Pfitzer).** Dec. New deep yellow. Each, 15c; doz., \$1.50; 100, \$10.00.
- Gold Eagle (Austin).** Prim. Clear deep yellow. Each, 15c; doz., \$1.50; 100, \$10.00.
- Golden Dream (Groff).** Dec. Clear deep yellow. Each, 15c; doz., \$1.50; 100, \$10.00.
- Loyalty (Austin).** Ex. Nice clear yellow. Each, 15c; doz., \$1.50; 100, \$10.00.
- Mary Shary (Vaughan).** Dec. Clear soft primrose-yellow with a deeper yellow in throat, faint marking in throat. Spike tall, straight and strong. Flowers well placed, 6 to 8 open. By artificial light remains a beautiful yellow for evening decorations. Each, 20c; doz., \$2.00; 100, \$15.00.
- Miss Bloomington (Kunderd).** Dec. Tall, light yellow, flowers well placed. Each, 15c; doz., \$1.50; 100, \$10.00.
- Yellow Emperor (Ellis).** Dec. Clear deep yellow. Each, 15c; doz., \$1.50; 100, \$10.00.

YELLOW MIXED

Made up by ourselves from varieties listed and others. Doz., \$1.50; 100, \$10.00.

BLUE AND PURPLE

- Ave Maria (Pfitzer).** Dec. Extremely good blue-purple. Strong grower, flowers well arranged. Each, 20c; doz., \$2.00; 100, \$15.00.
- Blue Beauty (Pfitzer).** Ex. Light blue, shading darker toward the edge. Large wide open flowers. Strong grower. Each, 20c; doz., \$2.00; 100, \$15.00.
- Chas. Dickens (Pfitzer).** Dec. Purple-violet. Each, 15c; doz., \$1.50; 100, \$10.00.
- King Lear (Palmer).** Ex. Very early. Clear deep purple with silver line on edge of all petals. Very large heavily waved and ruffled. 5-6 open. Each, 20c; doz., \$2.00; 100, \$15.00.
- Pelegrina (Pfitzer).** Dec. Deep blue. Each, 15c; doz., \$1.50; 100, \$10.00.

BLUE AND PURPLE MIXED

Made up by ourselves from varieties listed and others. Doz., \$1.75; 100, \$12.00.

LAVENDER

- Berty Snow (Mair).** Dec. Bright lavender with creamy throat. Each, 15c; doz., \$1.50; 100, \$10.00.
- Dr. Moody (Kenyon).** Ex. Light lavender. Each, 15c; doz., \$1.50; 100, \$10.00.
- Elizabeth The Queen (White).** Ex. Clean mauve with darker lines on throat; beautifully ruffled. Very fine lavender of distinction. Each, 45c; doz., \$4.50.
- Minuet (Coleman).** Ex. Large light lavender. We recommend it. Each, 25c; doz., \$2.50; 100, \$18.00.
- Queen of Bremen (Zimmer).** Prim. Lavender-pink flecked with deep lavender. Each, 15c; doz., \$1.50; 100, \$10.00.

LAVENDER MIXED

Made up by ourselves from varieties listed and others. Doz., \$1.75; 100, \$12.00.

LEADING LADY

WHITE GOLD

MARGARET FULTON

GLADIOLI Pink and Rose—Continued.

- Margaret Fulton** Dec. Early salmon-pink. Each, 15c; doz., \$1.55; 100, \$9.00.
- Peggy Lou (Wilson-Evans).** Ex. Smooth, deep shrimp pink with a slight rosy cast and a slight peppering of deeper rose in the throat. Each, 20c; doz., \$1.75; 100, \$12.00.
- Phyllis McQuiston (Stewart).** Dec. A gorgeous pure pink. Each, 15c; doz., \$1.50; 100, \$10.00.
- Picardy (Palmer).** Ex. A most sensational flower of delicate apricot-pink. The individual florets are all extremely large, slightly ruffled and of heavy wax-like substance. Each, 20c; doz., \$1.75; 100, \$12.00.
- Queen Helen II (Salbach).** Ex. Grenadine pink with prominent pinard-yellow blotch and carmine feathering deep in throat. Each, 15c; doz., \$1.50; 100, \$10.00.
- Rapture (Palmer).** Dec. Tall late salmon with creamy throat. Each, 15c; doz., \$1.50; 100, \$10.00.
- Rosa Van Lima (Pfitzer).** Dec. Pure self-colored light pink. Many flowers open at one time. Strong grower. Each, 15c; doz., \$1.50; 100, \$10.00.
- Sensation. (Marshall).** Large Dec. Bright but soft rose salmon shading lighter in upper throat with darker feather on the lip. 6-9 heavily ruffled massive blooms on a spike of 17-20 or more buds. Very tall grower and massive often reaching 6 feet in height. A good propagator and one that everyone should have in his garden. Each, 30c; doz., \$3.00.
- Token (Papas).** Dec. Peach red or flame salmon with clear yellow throat. Each, 15c; doz., \$1.50; 100, \$10.00.

PINK AND ROSE MIXED

Made up by ourselves from varieties listed and others. Doz., \$1.50; 100, \$10.00.

RED

- Algonquin (Palmer).** Dec. Early, brilliant glowing scarlet, 8-10 wide open ruffled needlepoint blooms open on a tall straight spike. Many people consider this the best scarlet on the market. Each, 30c; doz., \$3.00; 100, \$22.00.

Beacon (Palmer). Ex. Salmon-scarlet with creamy throat. Tall spike, eight florets open at once. Each, 15c; doz., \$1.50; 100, \$10.00.

Communist (Vaughan). Ex. Flaming red, lighter than Commander Koehl, more vivid than Dr. Bennett, with a better spike than either. The color is even except for deep crimson in the throat. Flowers in 100 days. Each, 45c; doz., \$4.50.

Dr. F. E. Bennett (Diener). Ex. Scarlet throat stippled with ruby and white. Big, vigorous, a ribbon winner. Each, 15c; doz., \$1.50; 100, \$10.00.

Flaming Sword (Krelage). Prim. Bright vermilion scarlet striped. Each, 15c; doz., \$1.50; 100, \$10.00.

Kassel (Pfitzer). Ex. A bright attractive scarlet with no marking. Each, 20c; doz., \$1.75; 100, \$12.00.

Morocco (Pfitzer). Dec. A very deep, dark red. Each, 20c; doz., \$2.00; 100, \$15.00.

Red Lightning (Pruitt). Dec. Bright pleasing red with cream blotch in the throat. Each, 20c; doz., \$2.00; 100, \$15.00.

Red Phipps (Briggs). Ex. Really a pink overlaid scarlet. Each, 15c; doz., \$1.50; 100, \$10.00.

Rewi Fallu (Fallu). Ex. Early deep blood-red. Very large blooms on a tall straight spike. Each, 15c; doz., \$1.50; 100, \$10.00.

RED MIXED

Made up by ourselves from varieties listed and others. Doz., \$1.50; 100, \$10.00.

SMOKY

Bagdad (Palmer). Ex. Very large smoky old-rose. Each, 15c; doz., \$1.50; 100, \$10.00.

Mother Machree (Stevens). Ex. Soft smoky lavender. Large flower and plant with beautiful coloring of lavender and orange, subdued with neutral gray. Each, 20c; doz., \$2.00; 100, \$15.00.

Vagabond Prince (Palmer). Ex. Iridescent garnet brown, lighter in upper throat, small flame, scarlet blotch below. The color combination is very attractive. Each, 15c; doz., \$1.50; 100, \$10.00.

SMOKY MIXED

Made up by ourselves from varieties listed and others. Doz., \$1.75; 100, \$12.00.

100 Bulbs of Picardy, Champion of All Gladioli, \$8.00
PREPAID 600 MILES

These are flowering size bulbs (No. 3) which will produce exhibition flowers, but take longer to do it than larger bulbs. Picardy is without a rival for the most popular gladiolus. Its soft salmon coloring, huge overlapping florets, perfectly spaced to produce a gorgeous plume of color, have won it leadership in the exhibition room, in the garden, and in the cut flower market. No. 1 bulbs, 100 for \$12.00; No. 2 bulbs, 100 for \$10.00. By Express Collect.

ORANGE

Barcarole (Palmer). Dec. Mid-season. Large clear orange of an unusual but most exquisite clear shade. 6-7 heavily ruffled blooms open. A gorgeous variety that must be seen to be appreciated. Each, 20c; doz., \$2.00; 100, \$15.00.

Bit of Heaven (Crow). Ex. Flaming orange with yellow throat. Each, 15c; doz., \$1.50; 100, \$10.00.

Dearborn (Vaughan). Dec. Immense florets of deep flesh color, light coral reflex, lip amber yellow, blending to flesh, marked with a feathering of deep crimson. Tall, straight spike with twenty or more florets, four to six open at a time, measuring five to six in. in diameter. A giant gladiolus that blooms early. Each, 15c; doz., \$1.50; 100, \$10.00.

Palm Springs (Vaughan). Ex. A clear soft luminous orange-buff self color, marked only by lighter toning in the throat. Ea., 15c; doz., \$1.50; 100, \$10.00.

ORANGE MIXED

Made up by ourselves from varieties listed and others. Doz., \$1.50; 100, \$10.00.

WHITE

Albatross (Pfister). Ex. Pure white. Each, 15c; doz., \$1.50; 100, \$10.00.

Corona. (Palmer). Dec. Creamy white shading more creamy toward the throat with wide rose picotee edge on all petals. Very distinctive and beautiful. 6-8 very large wide open blooms on a head of about 18 buds. Tall, strong grower and a fine propagator. Corona takes very well in the cut flower market. Each, 20c; doz., \$2.00; per 100, \$15.00.

Maid of Orleans (Pfister). Ex. Milky white, cream throat. Each, 15c; doz., \$1.50; 100, \$10.00.

Margaret Beaton (Twomey). Ex. New immense white with orange-scarlet blotch. Each, 25c; doz., \$2.50; 100, \$18.00.

Myrna (Pruitt). Ex. An excellent white, sister to Shirley Temple, ruffled and strong grower. Each, 20c; doz., \$2.00; per 100, \$15.00.

Pearl Harbor (Kenyon). Dec. Purest white, no markings. Unusual lasting qualities, straight grower, vigorous and a rapid propagator. Tall spike carrying 20 to 22 buds, opening 10 to 12 florets at one time. Each, 15c; per doz., \$1.50; 100, \$10.00.

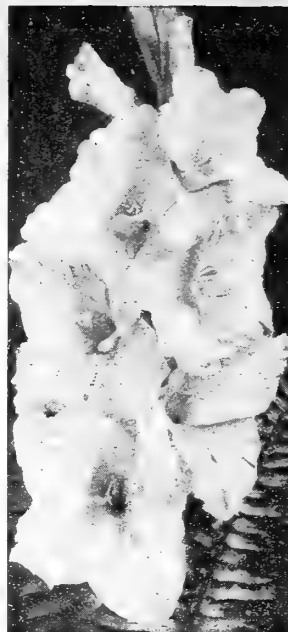
Shirley Temple (Pruitt). Ex. Color rich cream, almost white, with richer cream throat mark. Six to eight very large, most beautifully ruffled flowers open at one time. A maximum spike is equal in size to Picardy or Miss New Zealand. Despite its enormous size it carries not the least bit of coarseness. As a cut flower it will stand up with the best of them, the last bud on the spike blooming out perfectly. Makes beautiful foliage and large, high crown bulbs. Makes ample bulbets that grow readily, without pregermination. It blooms somewhat later than Picardy. Each, 15c; doz., \$1.50; 100, \$10.00.

WHITE MIXED

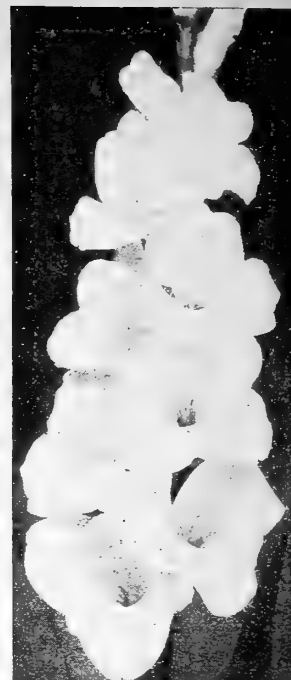
Made up by ourselves from varieties listed and others. Doz., \$1.50; 100, \$10.00.



MAID OF ORLEANS



SHIRLEY TEMPLE



PEARL HARBOR

Summer Flowering Bulbs

NEW BEGONIAS

Multiflora Hybrids. Mixed. In a shady place, where they can be well watered, these compact plants will bear double flowers of gorgeous coloring, measuring 2 to 3 inches across. They will blossom until killing frost. Each, 35c; doz., \$3.50; per 100, \$27.00.

Named Varieties. Each, 45c; doz., \$4.50; 100, \$32.00.

CALADIUM ESCULENTUM

Elephant's Ear. Good effect as a border for tall-growing Cannas when edged with Coleus or other low-growing foliage plants.

First Size—5 to 7-inch circumference. Mailing weight, 4 lbs. per doz. Price, 3 for 35c, prepaid; doz., \$1.25; 25 for \$2.00, not prepaid.

Select Size—7 to 9-inch circumference. Mailing weight, 6 lbs. per doz. Price, 3 for 65c, prepaid; doz., \$2.50; 25 for \$4.00, not prepaid.

Extra Large—9 to 11-inch circumference. Mailing weight, 10 lbs. per doz. Price, 3 for \$1.05, prepaid; doz., \$4.00; 25 for \$7.50, not prepaid.

CALLA LILIES

Calla Elliottiana. Flower rich golden yellow; foliage dark green with creamy spots. Makes a good pot plant for indoor culture. Does well outside even in full shade. Besides blooms it will act as a foliage plant all summer. Each, 30c; doz., \$3.00; 100, \$22.50.

Richardia Maculata. Spotted leaf, white flower. Can be planted out of doors after danger of frost is over. Take up in fall before freezing. Each, 30c; doz., \$3.00; 100, \$22.50.

PINK CALLA

Rehmannii Superba. The rare Pink Calla Lily. Rather dwarfer and smaller flowered than the White Calla, but of alluring coloring, palest blush to pure rose. Each, 50c; doz., \$5.00.



AMARYLLIS

AMARYLLIS

Largest of flowers which are easily forced indoors, our new hybrids are gorgeous in size and coloring.

Vaughan's New Hybrids. Mixed. Flowers are immense, in an amazing range of color blends, splashed and striped in a manner not seen in other strains. 2½-2½ in. dia., each, 40c; doz., \$4.00; 100, \$32.00; 2½-2¾ in. dia., each, 50c; doz., \$5.00; 100, \$37.50; 2¾-3 in. dia., each, 60c; doz., \$6.00; 100, \$45.00; 3-3¼ in. dia., each, 75c; doz., \$7.50; 100, \$55.00.

BEGONIAS

Tuberous Rooted. Unexcelled summer for bedding. When fully exposed to the sun the beds must be kept moist. All prepaid.

Single. Red, orange, yellow, rose, white. Large flowered. Medium size, each, 35c; doz., \$3.50; 100, \$27.00. Large size, each, 45c; doz., \$4.50; 100, \$32.00.

Camellia Flowered Double. Red, yellow, rose, white, orange. Medium size, each, 35c; doz., \$3.50; 100, \$27.00. Large size, each, 45c; doz., \$4.50; 100, \$32.00.

Carnation Flowered or Frilled. Same colors as above. Medium size, each, 35c; doz., \$3.50; 100, \$27.00. Large size, each, 45c; doz., \$4.50; 100, \$32.00.

Pendula. Used in hanging baskets. It is an unsurpassed strain containing double flowers only. Excellent for Rock Gardens Work. Each, 35c; doz., \$3.50; 100, \$27.00.

D.D.T. FOR THRIPS

On the basis of tests made last summer we recommend the marvelous new insecticide D.D.T., for gladiolus thrips. A residue of this material clings to the plant after spraying or dusting and kills insects which touch it. It excels in lasting effect and completeness of kill. For suitable forms of D.D.T. See page 90.

D. D. T. 50% Wettable Dust. For diluting in water for spraying or mixing with talc to prepare dust. One pound in 100 gallons of water makes effective spray. 8 oz. prepaid, \$1.00.

D. D. T. 30% Liquid Spray. D. D. T. in emulsion form safe to use on plants. Eight ounces make 25 gallons. 8 oz., \$1.50, prepaid, \$1.60.

D. D. T. 5% Dust. A ready-mixed garden dust; safe on all plants. 1 lb., 35c; postpaid, 45c; 5 lbs., \$1.25, postpaid, \$1.50.

Tartar Emetic. For those who prefer to use Tartar Emetic the U. S. Department of Agriculture recommends, after plants have reached 6 inches in height, weekly spraying with the following formula: ¼ lb. Tartar Emetic, 1 lb. brown sugar, 6 gallons of water.

We will ship Tartar Emetic ceiling prices, postpaid for ¼ lb., 35c; ½ lb., 60c; 1 lb., \$1.00.

BULBS SHIPPED SEPARATELY FROM SEED

Because of weather conditions during January, February and early March, we prefer to send out bulbs after March 20th, except to customers in the south or California, to whom we ship at once, packed against freezing. Customers should open the package upon arrival, and if bulbs cannot be planted at once, they should be placed in a dry and frostproof cellar until ready to plant.

GLOXINIAS

These showy plants are easily grown in pots and transplanted to a garden bed, preferably in a semi-shaded place.

Mixed Colors. Each, 45c; 3 for \$1.25; doz., \$4.50.

HYACINTHUS CANDICANS

(Galtonias) Summer

Hyacinth. Perfectly hardy and of vigorous growth. Flowers are pure white and pendulous, 4 feet high. First size, each, 20c; doz., \$2.00, prepaid; selected size, each, 25c; doz., \$2.50, prepaid.

ISMENE CALATHINA

Peruvian Daffodil. Flowers are pure white, borne three or four on a stem and are very fragrant. Not hardy. Price, each, 35c; doz., \$3.00, prepaid.

LILY OF THE VALLEY

Large Clumps. For outdoor planting, clumps are best. Plant clumps in a shady, moist place. Each, 60c, 3 for \$1.50; doz., \$5.50, prepaid.

MADEIRA VINE

One of the best and most popular climbers for foliage effect. Price, 3 for 35c; doz., \$1.25; 25 for \$2.25, prepaid.

MILLA BIFLORA

New introduction from Mexico, where it is called Estrellitas, or Little Stars. Showy white flowers, two inches in diameter, with six petals not quite separated. The stems are wiry, 12 to 18 inches tall. Very free blooming from July to September. Flowers cut well and have a pleasant Lily-like fragrance. Should be dug in fall, except in milder climates. Each, 20c; doz., \$2.00; 100, \$15.00.

RESURRECTION LILY

Shipped in July

(Lycoris Squamigera) For Outdoor Planting

Amaryllis Hallii. Produces in early spring attractive green foliage which grows until May, when it ripens off and disappears, and one not familiar with its habits would think the bulb had died, but about a month later, as if by magic, the flower stalks spring from the ground to a height of two or three feet, developing an umbel of large and beautiful lily-shaped flowers three to four inches across and from eight to twelve in number, of a delicate lilac-pink shaded with clear blue.

Culture—The bulb is perfectly hardy without any protection. The proper time to plant is in the summer when the bulb is dormant. Cover the crown about four inches. Each, 85c; doz., \$8.50.

LILIUM CANDIDUM

Shipped Aug.-Sept.

Legend is rich in praises and reference to the Madonna Lily. It is one of the oldest, loveliest, and best known lilies. A favorite of our grandmothers' gardens, its beauty and fragrance bring back days long past. The flowers, of which there are three to twenty on each stem, depending upon the size of bulb planted, are snow-white, with heavy yellow stamens, and of the most delightful fragrance. It is hardy and will thrive in any ordinary soil, preferring plenty of light and air. Blooms in the open ground about June 20th.

18-20 CENTIMETERS (7-8 inch circumference). Each, 35c; dozen, \$3.50; 100, \$25.00.

20-22 CENTIMETERS (8-9 inch circumference). Each, 45c; dozen, \$4.50; 100, \$30.00.

22-24 CENTIMETERS (9-9½ inch circumference). Each, 55c; dozen, \$5.50; 100, \$40.00.

24-26 CENTIMETERS (10-10½ inch circumference). Each, 65c; dozen, \$6.50; 100, \$50.00.

26 CENTIMETERS and over (10½-12 inch circumference). Each, 75c; dozen, \$7.50; 100, \$55.00.

28 CENTIMETERS and over (12-inch circumference and up). Each, 90c; dozen, 9.00; 100, 70.00.

LYCORIS

Shipped in June

Radiata. A coral red Spider Lily. Bulbs planted 5 inches deep July 15th, bloomed September 4th. This is not hardy, but has been known to survive freezing in pots. It sends up foliage in March. After the foliage dies down the bulb is dormant and sends its blossoms up in August or September. Lily-shaped flowers of orange-red. Each, 25c; doz., \$2.50; 100, \$18.00.

STERNBERGIA

Shipped in August

Lutea. These bulbs planted about 4 inches deep July 15th bloomed from August 7th to September 7th. The flower is yellow and looks very much like a Crocus. They have a thin Hyacinth-like foliage. Hardy with some protection. Each, 30c; doz., \$3.00; 100, \$20.00.



DOUBLE BEGONIA



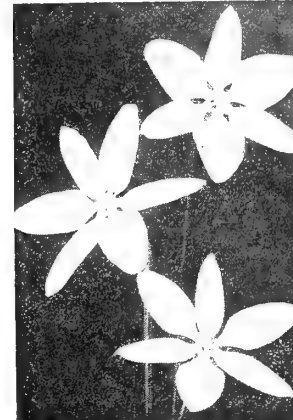
HYACINTHUS CANDICANS



GLOXINIAS



ISMENE CALATHINA



MILLA BIFLORA



TUBEROSES



MONTBRETIAS



TIGRIDIA



ZEPHYRANTHUS

MONTBRETIAS

Montbretias are easily grown and their graceful flower-stems add much to any garden. They are highly valued for cut flowers. Our mixture contains yellow, salmon, orange and scarlet.

They do best in a light, loamy soil enriched with leaf mould and a little lime, no manure. Where the ground freezes deeply in the winter, they can be treated as gladioli. But in localities where the ground does not freeze deeply, the usual winter protection may be given, and they will multiply. **Special Mixed.** Price, 3 for 40c; doz., \$1.50; 100, \$10.00; prepaid.

Earlham Large Flowered Hybrids. They are a completely new race, being generally much taller and more robust in growth, and having flowers of great size and beauty, some measuring 3 to 4 inches. **Mixed.** 3 for 55c; doz., \$2.00; 100, \$15.00; prepaid.

FAIRY LILY

Zephyranthus, Zephyr Lily

One of the prettiest and most easily grown bulbs. Plant in open ground like gladiolus bulbs.

Candida. Pure white and the most profuse bloomer of all. Doz., 85c; 25 for \$1.70; 100, \$6.00; prepaid.

Rosea. Beautiful clear rose; flowers large and very handsome. 3 for 40c; doz., \$1.50; 100, \$10.00 prepaid.

TIGRIDIA

(Shell-Flower of Mexico)

Few flowers are more gorgeously colored or so beautiful. Plant in sunny positions in a flower border in well-drained soil. Put a little sand under the bulb. Can also be used in beds. They bloom from July until frost. Height, 3 ft.

Red, each, 15c; doz., \$1.50; 100, \$10.00.

Yellow, each 20c; doz., \$1.75; 100, \$12.00.

Wine-Red, each, 20c; doz., \$1.75; 100, \$12.00.

Deep-Rose, each, 20c; doz., \$1.75; 100, \$12.00.

Rose, each, 20c; doz., \$1.75; 100, \$12.00.

Creamy White, each 25c; doz., \$2.50; 100, \$18.00.

Mixed. Price, 3 for 55c; doz., \$1.50; 100, \$10.00, prepaid.

TUBEROSES DOUBLE

(Polianthes Tuberosa)

Excelsior Dwarf Pearl Double. Easily recognized by its exquisite fragrance and beautiful flower-spikes, which are borne on long stems, making it an admirable cut flower. If started in pots, can be flowered much earlier. **First Size**—Each, 20c; doz., \$2.00; 25 for \$3.75; prepaid. **Second Size**—Price, doz., \$1.25; 25 for \$2.50; prepaid. **Mexican (Single)**—They have tall, stiff stems, flowers pure white, single; true tuberose fragrance. Price, doz., \$1.25; 25 for \$2.50; prepaid.

Vaughan's Fancy Grasses and Field Seeds

For Lawn Seed Mixtures, See Page 2. All Prices Prepaid, Except where Specifically Noted.
All Grasses and Field Seed Prices Are Subject to Change Without Notice.

Fancy Kentucky Blue Grass

Blue grass seed is now selling at higher prices than were ever before recorded, because of two poor crops in succession which reduced the supply of seed to a fraction of a normal demand. Our prices are based upon the cost of the stocks which we hold, and are subject to change without notice. Most other lawn grass seeds are in fair to good supply, and the prices normal.

POA PRATENSIS

Fancy Seed, actual weight, 21 lbs. per bu. Price, $\frac{1}{2}$ lb., 85c; 1 lb., \$1.65; 2 lbs., \$3.30; 3 lbs., \$4.90; 5 lbs., \$8.10; 10 lbs., \$16.00; 15 lbs., \$23.90; 20 lbs., \$30.75; 25 lbs., \$38.25; 50 lbs., \$75.00.

WHITE CLOVER

Extra Fancy Seed. Price, $\frac{1}{4}$ lb., 45c; $\frac{1}{2}$ lb., 85c; 1 lb., \$1.55; 2 lbs., \$3.10; 3 lbs., \$4.60; 5 lbs., \$7.50; 10 lbs., \$14.75; 15 lbs., \$21.75; 20 lbs., \$28.40; 25 lbs., \$34.50.

RED TOP GRASS (*Agrostis alba*)

Extra Fancy, re-cleaned solid seed. Price, $\frac{1}{2}$ lb., 30c; 1 lb., 45c; 2 lbs., 90c; 3 lbs., \$1.30; 5 lbs., \$2.10; 10 lbs., \$4.00; 15 lbs., \$5.60; 20 lbs., \$7.25; 25 lbs., \$8.50; 50 lbs., \$16.00.

Rye Grasses

Use all rye grasses at the rate of 30 to 40 lbs. per acre for pastures and 5 to 7 lbs. per 1000 sq. ft. for lawns. Sow either fall or spring.

English or Perennial Rye Grass (*Lolium perenne*). A lawn grass where quick results are wanted. Price, 1 lb., 45c; 2 lbs., 90c; 3 lbs., \$1.30; 5 lbs., \$2.10; 10 lbs., \$4.00; 15 lbs., \$5.90; 20 lbs., \$7.70; 25 lbs., \$9.50; 50 lbs., \$18.25; 100 lbs., \$35.00.

Common Rye Grass. The Italian type of rye grass, grown in this country. An annual, generally lasting a second year. Develops rapidly. Used in the south for Winter lawn grass. Sow in October in the south, preferably Spring in the north. Price, 1 lb., 30c; 2 lbs., 60c; 3 lbs., 85c; 5 lbs., \$1.35; 10 lbs., \$2.50; 15 lbs., \$3.65; 25 lbs., \$5.75; 50 lbs., \$10.00.

Fescues

★ **CHEWING'S FESCUE (NEW ZEALAND GROWN)**. This grass is valuable on sandy soils and in shade. Chewing's Fescue is a perennial with a fine blade and a spreading root system. Sow either Spring or Fall (last week in August or the first week in September) at the rate of 5 lbs. to 1,000 sq. ft. Price, 1 lb., \$1.30; 2 lbs., \$2.60; 3 lbs., \$3.90; 5 lbs., \$6.30; 10 lbs., \$12.40; 15 lbs., \$18.25; 20 lbs., \$24.00; 25 lbs., \$29.50; 50 lbs., \$57.50.

★ **CREeping RED FESCUE**. One of the best fescues obtainable, it spreads from the roots, making a dense turf which tends to crowd out weeds. Does well in shade and is good on sandy soil. Price, 1 lb., \$1.35; 2 lbs., \$2.70; 3 lbs., \$4.00; 5 lbs., \$6.50; 10 lbs., \$12.75; 15 lbs., \$18.75; 20 lbs., \$24.50; 25 lbs., \$30.00; 50 lbs., \$58.00.

BIRD SEED

Rape. Large—sweet (not bitter like the small black). 1 lb., 35c; 5 lbs., \$1.70; 10 lbs., \$3.30; 25 lbs., \$7.00.

Sunflower. 1 lb., 35c; 5 lbs., \$1.70; 10 lbs., \$3.30; 25 lbs., \$7.00.

Canary Seed. 1 lb., 30c; 5 lbs., \$1.45; 10 lbs., \$2.80; 25 lbs., \$6.25.

Vaughan's Canary Mixture. 1 lb., 30c; 5 lbs., \$1.45; 10 lbs., \$2.80; 10 lbs., \$6.25.

Finch Seed. 1 lb., 25c; 5 lbs., \$1.15; 10 lbs., \$2.25.

Parakeet Seed. 1 lb., 30c; 5 lbs., \$1.45; 10 lbs., \$2.80; 25 lbs., \$6.25.

Vaughan's Wild Bird Feeding Mixture. (as recommended by the Illinois Audubon Society). 1 lb., 15c; 2 lbs., 30c; 5 lbs., 70c; 10 lbs., \$1.30; 25 lbs., \$3.10; 100 lbs., \$11.50.

Prices do not include Postage. See table at the back of book for rates.

Let us help you solve your lawn and golf grass problems. Advice gladly given on handling fertilizer problems, and combating insect and disease attacks.

CERTIFIED VICLAND OATS

We offer Wisconsin certified seed, produced directly from foundation stocks supplied by the Wisconsin College of Agriculture, grown under careful field supervision and laboratory tests to insure a high degree of purity and germination.

1 bu., \$2.00; 10 bu., \$1.90 each, freight collect. Bags included.

Uncertified Seed. 1 bu., \$1.75; 10 bu., \$1.65 each, freight collect. Bags included.

CLOVERS AND ALFALFA

(Northern Grown)

Medium Red. (Purity 99.00 or better). Sow at the rate of 8-12 lbs. per acre. Price, 1 lb., 80c; 5 lbs., \$3.75—Postpaid. By Freight collect, 1 pk., \$10.00; $\frac{1}{2}$ bu., \$18.50; 1 bu., \$36.00; 100 lbs., \$59.00. Bags included.

Alsike Clover. (Fancy). Sow at the rate of 5 to 6 lbs. per acre. Price, 1 lb., 80c; 5 lbs., \$3.75—Postpaid. By Freight collect, 1 pk., \$9.00; $\frac{1}{2}$ bu., \$17.50; 1 bu., \$33.00; 100 lbs., \$54.00. Bags included.

Alfalfa Seed. (Central States). 1 lb., 80c; 5 lbs., \$3.75—Postpaid. By Freight collect, 1 pk., \$10.00; $\frac{1}{2}$ bu., \$18.50; 1 bu., \$36.00; 100 lbs., \$59.00. Bags included. Sow 12 to 15 lbs. per acre.

Write for Complete Price List of Field Seeds or let us know your requirements and we will be glad to quote special quantity prices. Purity and Germ tests made in our own laboratories.

Miscellaneous

Awnless Brome Grass (*Bromus inermis*). Very strong, quick growth, making two crops of very abundant pasture. Has proven very valuable for pasture when sown with alfalfa. Good in very sandy soils because of its strong spreading root system. Not a lawn grass. Sow in the Spring, 2 bushels per acre (14 lbs. per bushel). 1 lb., 45c; 3 lbs., \$1.30; 5 lbs., \$1.90. Postpaid. By Freight collect, 10 lbs., \$3.50; 25 lbs., \$8.00; 50 lbs., \$15.25; 100 lbs., \$29.00.

Timothy (*Phleum pratense*). Most popular of all hay grasses. Vaughan's Fancy seed (99.5% pure or better). Price, 1 lb., 30c; 2 lbs., 55c; 3 lbs., 75c; 5 lbs., \$1.10—Postpaid. By Freight collect, $\frac{1}{2}$ bu., \$3.10; 1 bu., \$6.10 (45 lbs.); 100 lbs., \$13.50. Grain bags included.

Reed Canary Grass. A fine perennial for hay or pasture on low marshy land. Use 5 to 8 lbs. per acre broadcast and 3 to 5 lbs. with drill. Sow early in Spring or August, September. 1 lb., 90c; 3 lbs., \$2.65; 5 lbs., \$4.25—Postpaid. By Freight collect, 10 lbs., \$7.70; 25 lbs., \$18.25; 50 lbs., \$35.50; 100 lbs., \$70.00.

Sudan Grass. Sow 35 lbs. per acre. Makes an excellent emergency hay crop. Can be sown any time from May 20th, to June 20th. It withstands long periods of drought. 1 lb., 35c; 5 lbs., \$1.50—Postpaid. By Freight collect, 10 lbs., \$2.00; 25 lbs., \$4.50; 50 lbs., \$8.00; 100 lbs., \$14.00; sacks included.

Dwarf Essex Rape. Makes a quick pasture and is very valuable feed. Ideal for sheep, hogs and cattle. Sow in early spring. 5 to 10 lbs., per acre, or with spring grain, 2 lbs. per acre. 1 lb., 35c; 3 lbs., \$1.05; 5 lbs., \$1.70—Postpaid. By Freight collect, 10 lbs., \$3.30; 25 lbs., \$6.25; 50 lbs., \$10.75; 100 lbs., \$20.00.

Winter Vetch. A very valuable leguminous plant, especially for lighter soils. Can be sown spring or fall. Sow 15 to 20 lbs. of Vetch and $\frac{1}{2}$ bushel grain, per acre. Makes splendid hay. 1 lb., 40c; 3 lbs., \$1.15; 5 lbs., \$1.65—Postpaid. By Freight collect, 10 lbs., \$3.50; 25 lbs., \$8.00; 50 lbs., \$14.50; 100 lbs., \$27.00.

HYBRID FIELD CORN

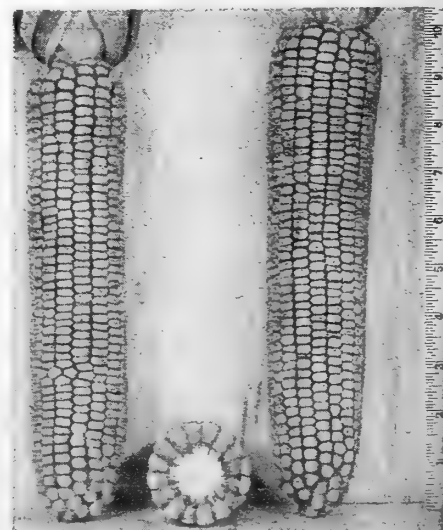
We offer State Certified Hybrids—

For many years breeders at the University of Wisconsin have been constantly at work developing and improving hybrids adapted to Northern Illinois, Wisconsin, Michigan, Iowa and Indiana.

Through arrangements with the University we are able to offer these proven hybrids at the following prices:

Flat Kernels (Edge Drop). Peck, \$3.00; $\frac{1}{2}$ Bu., \$5.00; Bu., \$9.00.

Above Prices
Freight Paid.



Vaughan's High Grade Fertilizers

Fertilizer prices include delivery within 25 miles of Chicago on 25, 50 and 100 lb. lots. On larger quantities than 100 pounds, owing to close quantity prices, the customer pays all freight or express charges.

Vaughan's Lawn and Garden Fertilizer (4-12-4)

This mixture is composed of plant foods in mineral form. The advantages of mineral fertilizer include the absence of objectionable odor and the quality of being more readily soluble, which makes it more quickly effective upon plant growth. This is an excellent mixture for regular use in the garden plot in small quantities to insure vigorous growth.

For a new lawn, broadcast evenly 30 to 40 lbs. per 1,000 square feet. To stimulate an old lawn, apply 20 to 30 lbs. per 1,000 square feet, and during the growing season, wash it down immediately with the hose to prevent burning. For flowers and vegetables, use from 4 to 6 lbs. per 100 square feet. 5 lbs., 45c; 10 lbs., 85c; 25 lbs., \$1.45; 50 lbs., \$2.35; 100 lbs., \$3.75; 500 lbs., \$17.75.

VAUGHAN'S SHEEP MANURE

This is a pure, natural manure, and its effect is immediate; it is excellent for mixing with the soil for greenhouse plants—one part manure and six parts soil. Strewn over and dug into the vegetable garden or placed directly in drills or hills, it promotes a rapid, steady growth until maturity. It makes the richest, safest and quickest liquid manure. For use in liquid form, one pound to five gallons of water will make a liquid which can be used with safety daily if necessary. 5 lbs., 40c; 10 lbs., 75c; 25 lbs., \$1.35; 50 lbs., \$1.95; 100 lbs., \$2.95; 500 lbs., \$12.50.

Shredded Cattle Manure. Manufactured by special process from selected fresh cleanings from cattle pens. There is no offensive odor, and when spread on lawn and garden it works down into the soil so that there is no refuse to blow about or be raked off when the growing season begins. 25 lbs., \$1.35; 50 lbs., \$2.40; 100 lbs., \$3.25; 500 lbs., \$12.50; 1,000 lbs., \$24.00.

Activo (Formerly Bacto). Make your own fertilizer easy, quick—often in as little as three weeks. Odorless! Organic! Just sprinkle Activo on kitchen waste, leaves, garden rubbish, sewage sludge, etc. Sprinkle in outdoor toilets, reduces odors, makes easily handled ash of waste. No. 2 size \$1.00; treats 450 lbs. compost; No. 7 size \$2.00; treats up to 1800 lbs. No. 25 size \$6.00; treats up to 3 tons compost. Trial size 8 oz., 65c postpaid.

Adco Artificial Stable Manure. Make it yourself, in your own garden. To each ton of straw, hay, cornstalks or dried leaves add 150 lbs. of Adco to make four tons of fresh or three tons of rotted manure. Adco contains nothing injurious to health or harmful to animal or plant life. Shipments accompanied by full directions. 7½ lb. bag, \$1.00; 25 lbs., \$2.50; 150 lbs., \$11.50. Write for booklet.

Aluminum Sulphate. For creating acid condition in the soil. 1 lb., 15c; 5 lbs., 60c; 10 lbs., \$1.00; 25 lbs., \$2.00; 100 lbs., \$4.75.

Ammonium Nitrate. Nitrogen content 34%. Since it is almost impossible to secure Sulphate of Ammonia and Nitrate of Soda, this is a good substitute and runs much higher in Nitrogen content. 5 lbs., 60c; 10 lbs., \$1.00; 25 lbs., \$1.75; 50 lbs., \$2.95; 100 lbs., \$4.95.

Dricone Improved. Fertilizer with a peat-moss base impregnated with a high grade manure. Per 50 lb. bag, \$2.75; 5 bags for \$12.50; 10 bags for \$24.00.

Electra Fertilizer (4-9-3). A high organic all around plant food for feeding, forcing and finishing. The best substitute for Clay's fertilizer, formerly imported from England. 25 lbs., \$4.25; 50 lbs., \$6.50; 100 lbs., \$11.00.

Fulton's Plantabbs. Odorless plant food in tablet form, supplies a completely balanced plant food including Vitamin B-1. Per box of 30 tablets, 25c; box of 75 tablets, 50c; box of 200 tablets, \$1.00; postpaid. Large size approximately 1,000 tablets, \$3.50.



Hypox Plant Food. Can be used in dry or liquid form; teaspoonful makes 1 gallon. Contains Vitamin B-1. Analysis: 7 percent nitrogen; 6 percent phosphoric acid; nineteen percent potash. 3 oz. tin, 25c; 1 lb., \$1.00; 10 lbs., \$8.00; 25 lbs., \$15.00; 50 lbs., \$25.00; 100 lbs., \$40.00.

Hy-Gro. Analysis: 13-26-13. The soluble plant food and starter polution. 3 oz., 30c, postpaid; 20 oz., \$1.10, postpaid; 10 lbs., \$4.00.

Vaughan's Special Lawn, Tree and Shrub Food

10% nitrogen, 8% available phosphoric acid, 6% potash. Excellent for all types of shade trees and evergreens. For shade trees apply in holes drilled 16 inches deep and 2 feet apart under drip of outside branches at rate of ¼ pound for each foot in height of tree up to 50 lbs. per tree. For evergreens use ½ pound per foot in height of tree, and work into surface soil. 25 lbs., \$2.00; 100 lbs., \$4.50.

VAUGHAN'S BONE MEAL

This is a special brand we have put up for our trade. It is ground fine, hence acts quickly. Free from acid, and a superb article. It is made from bone accumulated in large slaughter houses, and should not be compared with the Bone Meal made from cattle heads and feet gathered upon the western prairies. Our Bone Meal has been slightly steamed to soften it and is thus quicker in its action. Analysis: Nitrogen, 2 percent; total phosphoric acid, 22 percent. 5 lbs., 60c; 10 lbs., \$1.10; 25 lbs., \$1.85; 50 lbs., \$3.00; 100 lbs., \$5.25; 500 lbs., \$23.50.

Kem Liquid Plant Food. For summer use. A complete balanced ration for lawns, plants and trees. A nutrient solution containing all essential elements; nitrogen, phosphate, potash, including calcium baron, sulphur, etc. Merely dilute Kem solution with hydrant water. Directions on container. House plant size, 25c; qt. size, 50c; gal. size, \$1.25.

Liqua Vita. A liquid plant food contains all the necessary elements. ½ oz. will make 1 gal. of solution. 8 oz., 45c; qt., \$1.00; gal., \$3.50.

Lime Phosphate, Ruhm's. Nature's source of phosphorus. The most phosphate at lowest unit cost. 100 lbs., \$2.95; 500 lbs., \$12.00; 1,000 lbs., \$23.00; 2,000 lbs., \$44.00.

Loma. Beautifies lawns and gardens, a scientifically prepared plant food for lawns, flowers, vegetables, shrubbery and potted plants. Rich in nitrates, phosphate and potash; contains no filler. 5 lbs., 45c; 10 lbs., 85c; 25 lbs., \$1.50; 50 lbs., \$2.50; 100 lbs., \$4.00.



Milorganite. Activated sludge fertilizer, free of weed seeds. Feeds over a long period. 25 lbs., \$1.25; 50 lbs., \$2.00; 100 lbs., \$3.25; 500 lbs., \$14.00; 1,000 lbs., \$27.00.

Muriate of Potash. Should be used liberally, especially for all root crops. 25 lbs., \$1.85; 50 lbs., \$2.95; 100 lbs., \$4.95.

Nitragin. The Original Legume Inoculation. Culture A. For alfalfa, sweet clover, burr clover and hubam clover. 1 bu. size, 50c; 2½ bu. size, \$1.00.



Culture B. For clovers, medium and mammoth red, alsike, crimson and white. 1 bu. size, 50c; 2½ bu. size, \$1.00.

Culture C. For all vetches. Peas, Austrian, Canadian, golden and sweet peas, broad beans and lentils. Medium size will inoculate up to 100 lbs. seed, 50c; large size will inoculate up to 1200 lbs. seed, \$5.70.

Culture D. For Beans. String, snap, wax, navy, kidney and scarlet runner. 1 bu. size, 35c.

Culture E. For peanuts, cow peas, velvet beans and lima beans. Small bu. size, 30c; 5 bu. size, 55c; 25 bu. size, \$2.50; 30 bu. size, \$3.25.

Culture L. For all Lespedeza, large size inoculates up to 100 lbs.; 50c.

Culture S. For Soy Beans, all varieties. Small size inoculates up to 120 lbs. seeds, 30c; 5 bushel size, 55c; 25 bushel size, \$2.50; 30 bushel size, \$3.25.

Garden Size. For garden peas, sweet peas, beans, lima beans and lupines. Pkt., 10c; three for 25c; each packet will treat up to 6 lbs. of seed.

Lupines, all varieties. Per can, 50c. Will inoculate up to 100 lbs. seed.

Peat, Orchid. Very useful for orchids and azaleas. \$4.75 per sack of about two bushels.

Sani-Soil. For better growth, much less watering and practically no weeding. A proven soil conditioner for gardens, flowers, lawns, shrubs. 25 lb. bag, each \$1.65.

Super Phosphate. Twenty percent available. 25 lbs., \$1.25; 50 lbs., \$1.90; 100 lbs., \$2.95; 500 lbs., \$10.50; 1,000 lbs., \$19.00; 2,000 lbs., \$35.00.

A Balanced Rose Ration (7-8-5) ALL-ORGANIC FOR ALL GARDEN USE

All-Organic Rose Food (7-8-5). An organic, no filler, 100% Plant Food of Dried Blood, Fish Scraps, Bone Meal, Potash, Cottonseed Meal and Phosphate. This is a special mixture for growing roses and is a balanced, all purpose fertilizer which can also be used on all flowers, shrubbery, etc. This type mixture has been used by commercial growers and florists for many years and has given excellent results. 1 lb., 25c; 5 lb. bag, 75c; 10 lbs., \$1.35; 25 lbs., \$2.85; 100 lbs., \$8.95.



Esminel. Can be used to mineralize your garden. Can also be added to fertilizers used for trucks crops, lawns, shrubs, trees, etc. This adds the necessary minor elements such as Manganese, Boron, Magnesium, etc. Price, 5 lb. pkg. \$1.25.

Vaughan's Peat Moss

IMPORTED HORTICULTURAL GRANULATED

A moisture-retaining humus. An important aid in saving soil fertility, better than manure; prevents the formation of hard top crust and fungus growth. Home garden size bag, about 6 bushels when broken up finely, \$2.85; large bale of about 20 bushels, \$5.25.

Vigoro. Complete Plant Food. Supplies in balanced form the eleven vital plant food elements for hardy, beautiful plants. Clean, odorless, sanitary, and easy to use. Vigoro has brought gardening success to millions of home owners everywhere. 5 lbs., 45c; 10 lbs., 85c; 25 lbs., \$1.50; 50 lbs., \$2.50; 100 lbs., \$4.00.



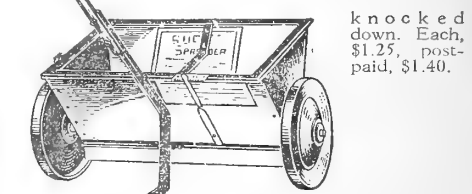
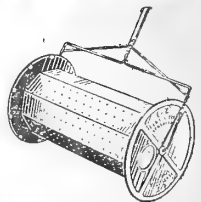
Stim U Plant Tablets Plus Vitamin B1. For potted plants. Well balanced plant food. Per pkg. of 30 tablets, 30c, postpaid; large pkg., 100 tablets, 75c, by mail, 85c; package of 1,000 tablets, \$3.50.

Floralife. Makes your cut flowers live longer. Pkt to make 1 qt. solution, each, 10c, three pkts for 25c. Home size tin makes 30 qts., each, \$1.00; 100 qt. size, each, \$3.00; gift pkg., \$1.00.



E. Z. FERTILIZER SPREADER

Fertilize your lawn sowing your seed the new E. Z. way. Simply fill container, guide like a vacuum cleaner and your lawn is covered quickly. Comes



knocked down. Each, \$1.25, postpaid, \$1.40.

FERTILIZER SPREADERS

Will spread any kind of commercial fertilizer, grass seed or top dressing. Has new disc wheels, foot rest and selective feed control. 16 inch, hopper capacity about 20 lbs., price each, \$5.95; 20 inch, hopper capacity about 40 lbs., each, \$9.95; 30 inch, hopper capacity about 80 lbs., each, \$16.75. Super Heavy 36 inch, hopper capacity over 100 lbs., each, \$29.75.

ACME BAIT-m, with metaldehyde. A double action insect bait to control cut worms, sow bugs, grasshoppers, etc. 1 lb., 35c; 2½ lbs., 65c, postpaid.

ANTROL. Sets containing 4 jars and 4-oz. bottle of syrup, 60c; extra jars each, 10c. 4-oz. bottle syrup, 25c.

ANTROL ANT TRAPS. Kill both sweet and grease eating ants. Each, 15c; 6 for 80c.

ANTROL READY FILLED SETS. Consisting of four patented glass "feeders" filled with regular antrol syrup. Per set, 40c.

ARSENATE OF LEAD (Dry). For dusting and spraying. Solves the problem of controlling practically all leaf-eating insects in an efficient manner. 1 lb. carton, 35c; 4 lbs., 95c; case of 48 lbs., \$7.50; 100 lbs., \$14.00.

CALCIUM, ARSENATE (Dry). Lb., 35c; 4 lbs., 85c; case, 48 lbs., \$6.00.

PARIS GREEN. A poisonous insecticide in powder form; for insects that chew. ¼ lb., 20c; per lb., 55c; 5 lbs., \$2.50; 14 lbs., \$6.00.

SLUG SHOT, Hammond's. Guaranteed to destroy potato bugs and those on tomato and egg plants, currant worms, cabbage lice and worms. 1 lb., 30c; 5-lb. tin, \$1.20; 25-lb. bag, \$5.50; per keg, 125 lbs., \$21.25; barrel, 250 lbs., \$36.00.

SNAROL. An insecticide bait to combat snails, cut worms, sow bugs and grasshoppers. 1 lb., 35c; 2½ lb., .75c; 10 lbs., \$2.25; 50 lbs., \$8.25.

TARTAR EMETIC. The new recommended spray for control of gladiolus thrip. ¼ lb., 35c; ½ lb., 60c; lb., \$1.00.

VERMINE. For eel, cut worms and wire worms, working in the soil. Can be applied to all vegetation. ½ pt., 45c; pt., 75c; qt., \$1.10; gal., \$3.00.

ROTONONE PREPARATIONS

ACME GARDEN GUARD. A strong, safe rotenone dust in 1-lb. shaker top cans. Each, 40c; postpaid, 50c; 6 lb. pkg., \$1.10.

BUG-A-BOO GARDEN SPRAY. Containing Rotenone. The ideal spray for vegetable crops. 4-oz. bottle, 50c; 8-oz. bottle, 75c. Postage, 10c extra.

BUG GUN. A practical self-dusting package, consisting of Rotenone, all ready to use. Complete with dust. Each, 50c, postpaid, 60c.

KALITE. Rotenone impregnated dust plus 3% D.D.T. for Home Gardens. 1 lb. pkg., 35c; 4 lb. bag, \$1.20; 25 lb. bag, \$6.75.

RED ARROW Garden Spray. Non-poisonous, kills by contact, both chewing and sucking insects, will not burn or stain tenderest foliage, ounce will make 4 to 8 gals. spraying solution. Oz., 35c; 4 oz., \$1; pt., \$2.85.

ROTOCID. Contact and stomach poison. Kills mites, mealy bug, beetles, thrips, aphids, etc. Oz., 35c; ½ pt., \$1.00; pt., \$1.75; qt., \$3.00.

D.D.T.—ROTEC

The ideal Home Garden spray insecticide.



While retaining full strength rotenone content, this preparation has been improved by adding 5% D.D.T., making an all around insect killer from which few if any pests can escape. Rotenone kills bean beetles, aphids, mites and others which resist D.D.T., while both are deadly to most other garden insects. Can be used in combination with other insecticides and fungicides. Particularly effective in the control of many types of beetles such as, Mexican Bean Beetle, and Potato Flea Beetle, Cabbage Worms, Plant Lice, Aphids and Thrip, etc. 1 oz. bottle, 35c; 4 oz. bottle, \$1.00; pint, \$2.75. Ounce makes 4 to 6 gallons spraying solution.

CONTACT INSECTICIDES

APHIS SPRAY. Improved Nicotine Spray. Combining a soft fish-oil soap with black leaf 40. 3-oz. tube, 35c; 12-oz. tube, \$1.00.

BLACK ARROW DUST. A non-poisonous pyrethrum dust, effective against many insects. 2 lb. bag, 50c.

BLACK LEAF 40 is a solution of Nicotine Sulphate. It is highly recommended by Experiment Stations throughout the United States as a spray for soft bodied sucking insects. For spraying only. Directions must be followed carefully. 1-oz. bottle, 35c; 5-oz. can, \$1.05, makes 40 to 100 gallons; 1-lb. bottle, \$2.50, makes 40 to 200 gallons; 2-lb. can, \$3.70, makes 200 to 500 gallons; 5-lb. can, \$6.90, makes 400 to 1000 gallons; 10-lb. can, \$11.65, makes 840 to 2100 gallons.

Sprays and Dusts

Weights—By mail ¼ pt., 1 lb.; pt., 2 lbs., qt., 3 lbs.; where prepaid prices are not specified, add 10 cents per lb. for postage; otherwise shipment will be by express charges collect.

CONTACT INSECTICIDES—Continued.

DX PYRETHRUM. Liquid spray. 1½ oz. bottle, 35c; 8 oz. bottle, \$1.25.

FISH-OIL SOAP. Standard wash for trees and plants where insects and eggs affect the bark. Lb., 35c; 7½ lbs., \$2.25.

LEMON OIL. Destroys mealy bug, scale, red spider. ½ pt., 35c; pt., 60c; qt., \$1.00; ½ gal., \$1.75; gal., \$3.00, 5 gals., \$12.00.

NICU-FUME POWDER PRESSURE FUMIGATOR. Is now burned under pressure in the can in which it is packed. ½-lb. can, 60c; doz., \$6.00; 1-lb. can, \$1.00; doz., \$9.00.

NICO-FUME LIQUID. For fumigating or spraying; contains 40 per cent nicotine. 1 lb., \$2.50; 4 lbs., \$7.10; 8 lbs., \$13.00.

NICOTINE PYROX. For chewing and sucking insects. 20 oz. jar, 60c; 5 lbs., \$2.00.

PYRETHRUM FLOWER. Lb., 85c; 5 lbs., \$3.75; 10 lbs., \$6.75.

Pestroy D. D. T. Contains 10% D.D.T. and Pyrethrum. Kills flies, ants, mosquitoes, ticks, roaches, bedbugs, etc. Price, 3 oz. press cap pkg., 39c; 8 oz. pkg., 69c.

SCALECIDE. A complete dormant spray for fruit trees, shade trees and ornamentals. Controls scale and invigorates growth. Use 1 gal. to 15 gals. water. Qt., 75c; gal., \$1.75; 5 gals., \$6.35; 10 gals., \$10.90. Write for price in barrel lots.

TOBACCO DUST (Regular Grade). 5 lbs., 60c; 10 lbs., 95c; 100 lbs., \$4.95.

TOBACCO STEMS. 100 lbs., \$2.75; 500 lbs., \$10.50; 1,000 lbs., \$20.00.

FUNGICIDES

ACME WETTABLE DUSTING SULPHUR. An improved dusting sulphur recommended to control Mildew, Leaf Spot, Black Spot, and Rust on rose bushes, chrysanthemums, snapdragons and other foliage, also Red Spiders on Evergreens. Will control chiggers in the lawn. 2 lb. Shaker top package, 35c; 4 lb. bag, 60c.

ACME COPPER QUEEN. A strong liquid copper spray for control of mildew, leaf spot, and black spot on roses, flowers and plants. 8-oz. can, 35c; pt., 60c; qt., 95c; gal., \$2.25.

BORDEAUX MIXTURE (Dry). The best fungicide for curing and preventing black rot, mildew, blight, leaf curl, scab or other fungoid diseases on fruits and plants. 1 lb. will make 5 gallons liquid. Lb., 35c; 4 lbs., 95c; case of 24 lbs., \$4.85.

DRY LIME SULPHUR. For dormant spray use 12 to 15 lbs. to each 50 gals. of water. For summer spray, 3 to 4 lbs. to each 50 gals. of water. Lb., 35c; 5 lbs., \$1.50; 25 lbs., \$4.50; 100 lbs., \$12.50.

FLOWERS OF SULPHUR. For dusting. Lb., 15c; 10 lbs., \$1.00; 50 lbs., \$3.00; 100 lbs., \$5.50.

FORMACIDE FORMALDEHYDE DUST. Control "damping off" of flower and vegetable seedlings. 1 lbs., 85c; 5 lbs., \$2.50; 25 lbs., \$10.00; 50 lbs., \$17.50.

FUNGINE. New remedy for mildew, rust and other fungus diseases; for greenhouse and outdoor use. Pt., 65c; qt., \$1.10; gal., \$3.00.

FUNGITROGEN. A preventive and remedy for mildew, black spot, and many fungus diseases of roses and other plants. ½ pt., 75c; pt., \$1.25; qt., \$2.00; gal., \$6.00.

GRAPE AND ROSE DUST. Excellent for the prevention and destruction of mildew on plants. Lb., 35c; 5 lbs., \$1.25; 25 lbs., \$6.25.

MAGNETIC SPRAY Wettable Sulphur. Can be used as a combination spray with other insecticides. 4-lb. bag, 60c; 24 lbs., \$2.75.

POMO GREEN. Without nicotine. The new green fungicide for roses and other flowers and ornamentals; will control black spot, mildew and chewing insects. Lb., 50c; 5 lbs., \$1.75; 25 lbs., \$8.00.

Phygon Fungicidal Spray. For use on apples, stone fruits, tomatoes, beans and sweet potatoes. Price 2 oz., 50c; 1 lb., \$2.68; 5 lbs., \$11.50.

SEMESAN. The universal seed disinfectant and plant stimulant. Important for control of damping off of seedlings. ½ oz., 10c; 2 oz., 40c; 12 oz., \$1.88; 4 lbs., \$9.10; 25 lbs., \$52.50; 100 lbs., \$198.00. Write for leaflets, stating for what purpose desired.

Special Semesan. Control for Brown Patch, Dollar Spot, etc. in Bent Lawns. 8 oz., \$1.00; 6 lbs., \$9.35; 25 lbs., \$36.00; 100 lbs., \$135.00.

Semesan Jr. For Sweet Corn. 1½ oz. package, 15c; 12 oz., 50c; 6¼ lb., \$3.75; 25 lb. pail, \$12.50; 100 lbs., \$45.00.

Semesan Bel. For Potatoes. 2 oz. tin, 30c; 1 lb., \$1.65; 4 lbs., \$5.70; 25 lbs., \$33.25; 100 lbs., \$125.00.

New Improved Ceresan. 4 oz. tin, 30c; 1 lb., 80c; 4 lbs., \$2.70; 25 lbs., \$15.00; 100 lbs., \$55.00.

2% Ceresan. 1 lb., 75c; 4¼ lbs., \$3.14; 25 lbs., \$14.50; 100 lbs., \$52.00. Write for leaflet on Semesan and Ceresan.

FUNGICIDES—Continued.

SPERGON. A new seed and bulb disinfectant which kills the soil fungi and bacteria which cause damping off, and injure gladiolus and tulip bulbs. Full strength with 98% active ingredients. 2 oz., 35c; postpaid 45c; 1 lb., \$2.25, postpaid \$2.35; 5 lbs., \$9.95; 10 lbs., \$18.50; 50 lbs., \$87.50; 100 lbs., \$153.00.

Spergon Wettable Powder. Contains 49% active ingredients. Lb., \$1.10, postpaid, \$1.25; 5 lbs., \$4.98.

VOLCK. The Scientific Insecticide for nursery, greenhouse and garden. Controls scale insects, mealy bug, white flies, red spiders, rust mites, aphids and thrips. ½ pt., 35c; pint, 50c; 1 gal., \$2.50; 5 gals., \$11.00. Price of 5 gal. size includes \$2.00 charge for container. Container is returnable for credit if returned in good condition.

COMBINATIONS

ACME RED RIVER POTATO MIX (Special Formula for Potatoes). A new patented copper fungicide with quick killing arsenic. Drives off Flea Beetle and Leafhopper and prevents Blight from gaining a foothold. Stimulates foliage, making more and better potatoes. Complete control in one operation. Can be used as a dust or spray. 1 lb. bag, 35c; 4 lb. bag, 85c; carton, 48 lbs., \$9.00.

ACME SCIENTIFIC ROSE SPRAY. Consists of three elements A, B, C, for complete protection from sucking and chewing insects, black spot and other fungus diseases. The number indicates number of gallons of spray each set will make. No. 3 set, 95c; No. 6 set, \$1.50; No. 24 set, \$4.00; No. 48 set, \$6.00; No. 96 set, \$9.75.

PARA-SCALECIDE. A prepared combination of Scalecide and paradichlorobenzene. A liquid treatment for peach borer control. Safe to use on peach trees of all ages. Simple, effective and inexpensive to use. Can be used to control all borers. One gallon makes eight. Quart, 85c; gallon, \$2.25; 5 gallons, \$7.25.

POMO GREEN. A green colored fungicide, with nicotine. Lb., 75c; 5 lbs., \$3.00.

PYROX. Kills all leaf-eating insects, destroys fungus growth, blight and rot. Mixes easily in cold water, sprays without clogging and sticks to foliage. 25 lbs., \$7.75; 50 lbs., \$8.35.

SPORGO. A copper mildew spray for control of fungus diseases of plants. 1 lb., 75c.

RED ARROW DUST. Contains Rotenone and Sulphur. 2 lb. bag, 50c; 24 lbs., \$5.50.

TRIO-GEN. Combined spray treatment fungicide-insecticide and plant stimulant. A complete protection against plant insects and diseases. A, small kit, makes 16 qts., \$1.50; B, medium kit, makes 64 qts., \$4.00; C, large kit, makes 32 gals., \$6.00; D, estate kit, makes 128 gals., \$20.00.

WILSON'S O. K. PLANT SPRAY. A powerful yet harmless and efficient insecticide for aphids, red spider, mildew, scale, etc. ½ pt., 40c; qt., \$1.00; gal., \$3.00; 5 gals., \$12.00.

MISCELLANEOUS

ACME COPPER SHIELD PRUNING PAINT. Prepared liquid paint containing copper, for treating wounds to prevent hard rot fungus and other fungi. Pt., 45c; qt., 75c; gal., \$2.35.

CARBON DISULPHIDE. For ants and cut worms. (By express only.) 1 lb., 60c.

CYANOGAS CALCIUM CYANIDE "G." Greenhouse fumigant. For aphids, white fly, thrips, soft scale, and mealy bug and control for crop-detracting rodents. 5 lbs., \$3.00; 25 lbs., \$10.00; 100 lbs., \$30.00. (By express only).

CYANOGAS A. DUST. Kills ants, moles, mice, rats, groundhogs and prairie dogs. (By express only.) 4-oz. tin, 30c; 1 lb., 75c; 5 lbs., \$3.00; 25 lbs., \$10.00; 100 lbs., \$30.00.

DOG-SHOOT. Keeps dogs and cats away from evergreens, shrubs, posts, walls or any place where they are not wanted. Leaves an odor scarcely noticeable by humans but very offensive to animals. Qt., 85c; gal., \$1.95.

DOGZOFF. Breaks dogs of bad habits. Spray underneath your evergreens, and guard them completely against the depredation of dogs. Non-poisonous. Per bottle, 60c; by mail, 70c.

TREE TANGLEFOOT. Perfect safeguard for trees. 6 oz., 45c; 1 lb., 80c; 5 lbs., \$3.75; 10 lbs., \$7.00; 25 lbs., \$15.00.

NAPHTHALENE FLAKES. 1 lb., 40c; 5 lbs., \$1.50; 10 lbs., \$2.75; 25 lbs., \$6.25.

PINE TAR. For tree surgery. Stops bleeding of the sap. Pint, 40c; qt., 75c; gal., \$1.75.

G and O CROW REPELLENT. Protects seed corn from damage by crows, moles, squirrels, etc. ½ pt., 60c; pint, \$1.00; qt., \$1.75.

SULPHATE OF IRON. A remedy for weeds on lawns, kills dandelions without injuring grass. Apply liquid with a fine spray. Particulars on application. 5 lbs., 50c; 10 lbs., 90c; 25 lbs., \$1.50; 50 lbs., \$2.50; 100 lbs., \$3.95.

D. D. T. and Other New Chemical Garden Aids

D.D.T. is the outstanding new material of universal value; every gardener will need one or more of its various forms. It controls most chewing insects and many juice drinkers which defy prewar materials, such as leaf hoppers, flea beetles, European corn borers and the gladiolus thrips. It kills Japanese beetles, cabbage worms, leaf rollers, most caterpillars and beetles, but not the Mexican Bean beetle; and some plant aphids but not all. For flies, mosquitoes and all household pests, it is unrivaled. Forms for all uses are listed below.

D. D. T. 50% Wettable Dust. For diluting in water for spraying, or mixing with talc to prepare dust of desired strength. One pound in 100 gallons of water makes effective garden spray leaving a heavy residual deposit on plants. Three pounds to 100 gallons of water makes effective and safe spray for cattle, horses, hogs and other farm animals, or residual spray for walls of barns, stables, hog or poultry houses and milk sheds. 8 oz., postpaid, \$1; 1 lb., postpaid, \$1.45; 4 lbs., \$3.25, prepaid for \$3.75.

D. D. T. 30% Liquid Spray. D. D. T. in emulsion form has given results on some insects superior to those from wettable powders. This is safe to use on garden and greenhouse plants, also for spraying barns and other buildings to control flies. Eight ounces will make 25 gallons of garden spray. 8 oz., \$1.50, prepaid \$1.60; 1 gallon (makes 400 gallons of garden spray) \$15.00, shipped by express, charges collect.

D. D. T. 5% Dust. A ready-mixed garden dust of D. D. T. combined with a fine, light-weight filler, safe to use on all plants in gardens and greenhouses, also on livestock, dogs, pet animals (except cats) and poultry. Its extra strength assures maximum pest control. 1 lb. 35c; postpaid, 45c; 5 lbs., \$1.25, postpaid, \$1.50; 25 lbs., \$4.50, shipped by express charges collect.

D. D. T. Household Spray. An oil spray for lasting control of household pests. For spraying or brushing on screens and porch walls, and general household use according to directions. Kills bedbugs, flies, mosquitoes, moths, ants, silverfish and many others. Do not use on plants or animals. Quart 65c; prepaid for 75c; gallon \$1.85, shipped by express charges collect.

D. D. T. Aerosol Bomb. When released from the bomb in five to seven seconds, non-poisonous Freon gas impregnated with 3% D. D. T. and 2% pyrethrum, both deadly to insects, completely fills a room, killing insect life and leaving a deadly deposit which will protect from pests for weeks. Moths, mosquitoes, roaches, flies and other household pests are exterminated. Safe to use and harmless to clothing and furniture. One bomb will last the average household months. Aerosol bomb, contents 16 oz., \$3.00, postpaid \$3.25.

Junior size, 3 1/2 oz. each, postpaid, \$1.15; 3 for \$3.25.



Aerosol Bomb

Plant Hormones



An improved rooting compound containing several different hormone-like chemicals in sufficient quantities to produce root stimulation in the hard type of cuttings, and still is safe to use on the softer, more easily injured plants. Also contains a fungicide that checks fungi that rot cuttings. A small amount of dust will coat each cutting evenly, making a pound go further. Price, 3/4 oz. packet, 50c; 2 oz., \$1.00; 1 lb., \$5.00.

PLANT STIM

This is a complete Hormone, including necessary vitamins for treating transplants of all kinds. Besides containing root forming Hormones and Vitamin B1 and other members of the Vitamin B Complex which are important in plant growth, it has fungicidal value. Stimulates quick growth of transplants and prevents wilt. Price, 3 oz. jar, 50c; 1 lb. jar, postpaid.

FRUITONE

Hormone spray for preventing preharvest drop of apples. Holds apples on the tree longer. Fruitone sprayed on flowers produce better set of seed and fruit, such as tomatoes, and beans. 2 1/2 oz. pkg., 25c; 2 oz. can, \$1.00, makes 25 gals. of spray; 8 oz. can, \$5.00.

ROOTONE

A hormone powder easy to use, anyone can apply safely, no skill is needed to apply Rootone, no measurements, no vials, no elaborate charts to follow, just dip and plant. Price, 1/4 oz. pkg., 25c; 2 oz. jar, enough to treat 3,000 cuttings, \$1.00; 1 lb. jar will treat up to 30,000 cuttings, \$5.00.

Rootone No. 10. For rooting of Azaleas, and other woody cuttings. 2 oz. jar, \$2.00; 1 lb. can, \$10.00.

Write for leaflet; all postpaid.

TRANSPLANTONE

The most effective form of vitamin B1, contains plant hormone, vitamins B and C and other growth substances. One level teaspoon makes 10 gallons of solution, water your plants with Transplantone to get better roots, more vigorous growth and quality flowers. 1/2 oz., 25c; 3 ounce can, \$1.00; 1 lb. can, \$4.00.

GRAIN-O

For rooting Cuttings, Bulbs; Treating Seed. For rooting just dip basal end of cutting or bulb in powder. Or, for bigger yield at amazing low cost, just dust Grain-O powder on all your garden and field seed. It inoculates it with hormones and vitamins; makes bigger rooted, drouth resistant plants; encourages healthier growth, increases yield. For corn, costs only 1/2c to 4c an acre. Packet sufficient for average garden, 25c. Popular 20-in-one size for market garden and small farm, contains 20 individual treatment packets, \$1.50; pound size, \$3.95.

HORMODIN POWDERS

Stimulate Root Growth on Cuttings.

POWDER NO. 1. Designed primarily for use on Carnations, Chrysanthemums, Poinsettias, Roses, and similar types. Many house, garden, and greenhouse plants are included in the complete list. Price, 1 1/4 oz. pkg., each, 50c; 1 lb., \$3.00.

POWDER NO. 2. Designed for use on less sensitive species, which comprise many of the semi-woody types and many of the common shrubs. Price, 1 1/4 oz., 75c; 1 lb., \$4.50.

POWDER NO. 3. Designed for use with the more resistant species which comprise most of the evergreens and dormant leafless cuttings. Price, 1 oz., \$1.00; 1/2 lb., \$4.50.

The three Hormodin Powders are designed to cover the full propagating range with a one-dip treatment. Complete directions for each powder are included.

COMBINATION PACKAGE OF NO. 1-2-3. In one carton, each, 75c.

AMMATE WEED KILLER (DUPONT)

(Ammonium Sulfamate.) A non-poisonous weed killer which can be applied by hand or sprayer, or can be applied dry. Will kill Poison Oak, Poison Ivy, Poison Sumac, Dandelions and Plantain. Use 1/4 to 1 lb. to a gallon of water. Price, 2 lb. bottle, 75c; 6 lb., \$1.80.

Various Chemical Weed Killers

WEEDONE

TRADE MARK

It kills the plant under ground as well as above ground. Does not irritate skin and does not corrode metal or spray equipment. Will not leave residue on plants that is hazardous to livestock or pets. Does not sterilize the soil. Mix one part to sixty parts of water. Will kill Poison Ivy, Bindweed (Morning Glory), Ragweed, Burdock, Dandelion, Plantain, etc. Price, 6 oz., 75c; per quart, \$2.50; gallon, \$7.50; 5 gals., \$30.00; 54 gals., \$270.00.

For ordinary grass and weeds, each part of Herbicide may be diluted with forty to fifty parts of water. One gallon will cover app. 2,500 sq. ft. Herbicide is a poison. Live stock should be kept off the treated ground until the dead leaves wither away. Qt., 75c; gal., \$2.00; 5 gals., \$7.50; 10 gals., \$12.50; 55 gals., \$44.00.

HERBICIDE

THE WEED EXTERMINATOR

For Paths, Cobble Gutters, Drives, Tennis Courts etc.



ZOTOX CRAB GRASS KILLER

Kills both the plant and seeds of Crab Grass and checks reinfestation. It does not destroy lawn grasses and is non-injurious to soil. Simply mix with water and spray. When used as an over all spray, it kills dandelion, plantain, buckhorn, etc.—The 8 oz. bottle (\$1.00 size) makes 5 gallons and treats 1,000 sq. ft. For spot treatment of small patches it goes much further. 8 oz. bottle, \$1.00; 16 oz. bottle, \$1.50; 32 oz., bottle, \$2.50; 5 lb. bottle, \$4.50.

GETZUM WEED GUN

Kills dandelions and other weeds without injury to lawn. Does not sterilize the soil. Does not corrode or rust metals. Insures easy and economic application. No stooping or back breaking. Place cane on crown of dandelion or weed and press handle lightly. A small amount of chemical is released and does all the work. Price complete with liquid, \$1.75. Killer Kemical, pint, 30c.

WEED-NO-MORE

2, 4D. Magic weed killer, 8 oz. lawn size treats 1600 square feet, price, \$1.00; qt. size treats 6400 square feet, price, \$2.98.

MAGIC SOIL SUBSTITUTE FOR STARTING PLANTS

Mikamagic is a prepared form of vermiculite, cleansed of all impurities which might injure plants, and of the correct sizes for horticultural use. This remarkable material has proved to give almost magical results as a substitute for soil in starting seeds and rooting cuttings.

Having been subjected to a temperature greater than 2000 degrees F, it is completely sterile, and free of all organisms which might cause damping off. It is one-tenth the weight of soil and has remarkable ability to retain both water and air; both of which are vital to plant growth.

In addition to being an unsurpassed medium for started seeds and rooting cuttings, Mikamagic is effective as a soil conditioner, to lighten heavy clay soil, make it porous. It also makes an excellent mulch to prevent soil from drying out unduly in hot, dry weather; and when mixed with soil in which trees and shrubs are planted it helps hold moisture, and protects the plants from injury from drouth.

Material is made in three grades, coarse for base or foundation; medium for the center layers; and fine for using on the surface of seed starters.

Prices, 1/2 peck bag, 50c; 1/2 bushel bag, \$1.75; 1 bushel bag, \$2.95. All shipped by express, charges collect.



ACME TOMATO DUST PUMP GUN

Contains basic copper arsenate. The latest improvement in the insecticide field containing a safe arsenical for controlling the tomato worm and the tomato fruit worm as well as the early and late blight and other fungus diseases which infest the tomato plant. Will not cause worm wilt. A full pound in a pump gun duster package ready to use, each, 59c, postpaid, 69c.



Rotenone Garden Guard Pump Gun

The old proven Rotenone insecticide which controls both sucking and eating insects. A full pound in a pump gun duster ready to use, each, 59c, postpaid, 69c.

Sprayers for Insecticides

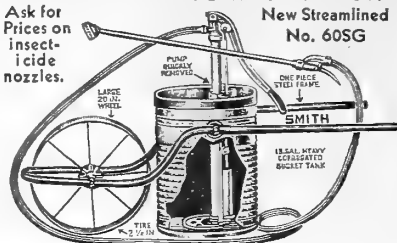
DOBBIN'S BIGHEAD SPRAYER



5 1/2" diameter opening. Easy to fill, drain and clean. Positive quick sealing device. Equipped with patented self-lubricating pressure seal valve plunger. More air per stroke. Brass shut-off with trigger quick spray lock. Universal nozzle, sprays at any angle. Will handle all spray solutions. 4 gallon capacity. No. 44G Galvanized tank. Each, \$8.95. Brass each \$18. 0

WHEELBARROW SPRAYER

Ask for Prices on insecticide nozzles.



New Streamlined No. 60SG

Goes anywhere like a wheelbarrow, through narrow openings. For spray solutions, disinfectants or white-wash. With extra long handle and large air chamber, fittings, steel extension, develops 250 lbs. pressure with minimum of effort. Made of best materials, all working parts of brass or bronze. Cart is strong, all steel and cross braced. Tank holds 18 gallons. Fully equipped with hose, nozzle, etc. \$29.95. Shipping weight, 80 lbs.

No. 60 S.P.G. Same as above, but with pressure tank and gauge and iron wheel. Price, \$44.00.



New E-Z 5-Gal Knapsack Spray

Diaphragm type pump maintains hi. pressure until a drop of liquid is discharged. Very easy operate. Tank holds gallons. Equipped with 3 ft. hose, 2 ft. bra extension rod, automatic shut-off and a justable nozzle. For field crops, shrubs, etc. Galv. tank, \$22.95.



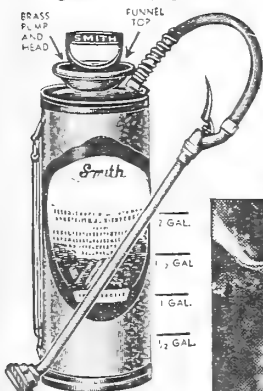
PNEUMATIC SPRAYER

Compressed air hand sprayer. Operator sprays with one-half labor ordinary sprayer requires. Thro a fine mist and can be used to apply insecticides et One quart size has extra nozzle for underleaf sprayin Galv. tank, \$1.60; tin, \$1.25.



HAND SPRAYER, 65c Full qt. size.

SMITH'S SPECIAL SPRAYER



A durable, low-priced sprayer, has a funnel top, made of heavy steel or solid brass tank as illustrated. 3 1/2 gallon capacity. Price, galvanized, \$7.95.



Hayes-Ette Garden Spray

This little sprayer does the work of the larger type sprayer. Weight a little over a pound filled. Simply attach to your garden hose. Operates on 20 to 150 lb. water pressure. Capacity 1 1/2 gal. of mixed spray material. Can also be used for spraying shrubs and vines. \$3.50

These Sprayers Attach to Hose

Garden Hose Sprayer

WITH CRYSTAL CLEAR CARTRIDGE CHAMBER



INSECTICIDE CARTRIDGES

This is a special mixing and spraying nozzle which attaches to the garden hose. Insert insecticide cartridge and spray—as easy as watering your lawn. Brass finish, each, \$3.50. Chrome finish, each, \$4.00.

36 inch extension, straight chrome finish, \$1.75.

We can supply a complete line of cartridges, Rotenone, Nicotine, Pyrethrum, D. D. T., Sulphur, Bordo or Arsenate of Lead. Price, each, 35c; three for \$1.00; doz., \$3.85.

HAYES HAND SPRAYER

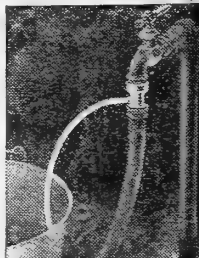
Revolutionary new hand sprayer. Easy to operate. Just a simple, squeezing pressure of one hand. Sprays all types of insecticides, DDT Formulas, all other liquids and powders. Efficient fan shape spray for accuracy. Sprays up and down and sideways. Reaches underside of leaves easily. Streamline designed. Price each, \$2.95; postpaid, \$3.10.



FERTILIZER APPLICATOR

(Fertilizes as you Sprinkle)

Make fertilizing as easy as sprinkling your lawn. Fertilize through your hose. Mixes the right amount of ammonium sulphate, nitrate of soda, potash or any soluble fertilizer with the water with which you sprinkle your lawn. One end screws into the faucet, the other end takes the hose, the small tube drops into the bucket of fertilizer. Made of die cast metal. Price, \$1.95; postpaid, \$2.10.



Dusters for Insecticides

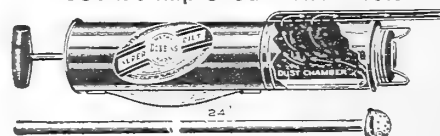
FEENEY MODEL C DUSTER

Splendid Hand Duster. Each, \$1.15 postpaid, \$1.25.



Cyclone, each, 35c. Jumbo, each, 60c. Postage extra, each, 5c.

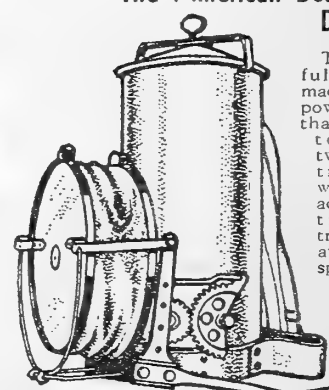
Dobbin's Improved Hand Duster



Recommended for applying Pyrethrum, Rotenone, Derris Root. A uniform discharge down to the last particle of dust. For all garden and field crops. Self-lubricating pressure seal valve plunger. Capacity 1 lb., equipped with two-way dust cap. No. 132 Duster.....Each, \$1.50, postpaid, \$1.75.

The American Beauty Dust Sprayer

The most powerful hand duster made. Has a large powerful bellows that blows dust to the top of twenty-five foot trees. A man will average eight acres per day of trees. Dust truck crops at an average walking speed, and dusts under side of leaves. Has spiral agitator that crushes and grinds the dust and feeds directly into the moving air blast; does not choke or clog. Has an efficient regulator for discharge control. It is considered the standard of efficiency by all authorities. An effective implement for applying D. D. T. and other new insecticides to fruit and ornamental trees as well as a vegetable and flower plantations, \$25.00.



Hayes Jr. Spray Gun

All Purpose Sprayer. Makes 3 gals. of mixed spray material at a time. Sprays liquid and most wettable powders, up, down and sideways. Attach to your garden hose. Gives you the efficient performance of heavy, expensive equipment. Operates on water pressure from 30 to 75 lbs. No moving parts to wear out or break. Each, \$6.95.

BLIZZARD COPPER CONTINUOUS SPRAYER



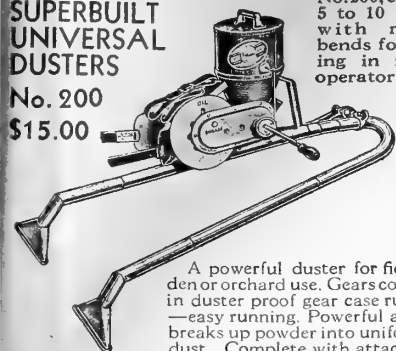
Very durable, seamless brass pump, solid copper quart tank with adjustable nozzle for straight and underleaf spraying. Each, \$3.95.

Dusters, Guards, Traps, Repellents

SUPERBUILT UNIVERSAL DUSTERS

No. 200

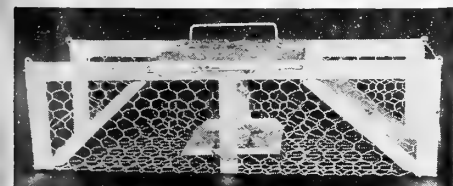
\$15.00



No. 200, capacity 5 to 10 pounds with return bends for dusting in rear of operator. Each, \$15.00.

A powerful duster for field, garden or orchard use. Gears contained in duster proof gear case run in oil—easy running. Powerful air blast breaks up powder into uniform size dust. Complete with attachments for dusting one or two rows.

HAVAHART ANIMAL TRAPS



No. 1—5x5x18 in. For weasles, rats and chipmunks, each, \$2.75.

No. 2—7x7x24 in. For muskrats, minks squirrels and rabbits, each, \$3.85.

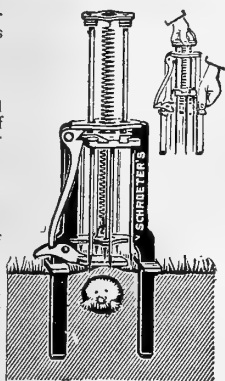
MOLE TRAP

Improved with patented setting attachment. One of the best mole and gopher traps. Each, \$2.35.

CUT WORM PROTECTOR

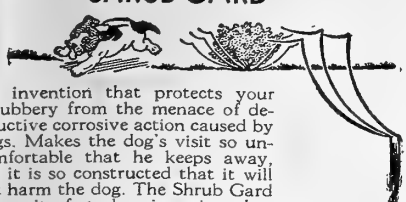
Made of waterproof heavy fibre resin material. Does not disintegrate in the ground. 3 inches in height and 3 inches in diameter. Easy to place around a plant with a simple lock.

RA-50, 50 to a package, per package, 25c; postpaid, 35c.



Mole Trap

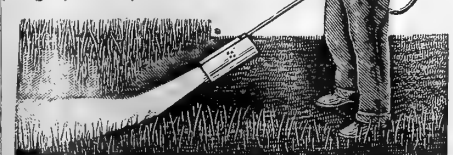
SHRUB-GARD



An invention that protects your shrubbery from the menace of destructive corrosive action caused by dogs. Makes the dog's visit so uncomfortable that he keeps away, yet it is so constructed that it will not harm the dog. The Shrub Gard is a unit of steel spring wires that are flexible and will not tear clothing of passersby. Each Shrub Gard has three prongs and covers approximately two and one-half lineal feet. Harmless to dogs or humans. Packed one dozen to a carton. Weight 2½ lbs. Price per carton of dozen, \$2.50; postpaid, \$2.75.

Flame Shooter Gun

General utility torch indispensable on the farm, garden, barn, etc., handy for cleaning out irrigation ditches, removing weed and destroying insect pests. 4 gal. heavy all-welded (not riveted or soldered) corrugated fuel and air tank tested to 100 lbs.; burns kerosene, range oil, stove or light furnace oil. Price complete, \$20.95 (weight, 17 lbs.).



Rabbit Repellent

With safety to all including the rabbits. This 200 mesh fine snuff-like product is impregnated with rain resistant repelling "naturals" to make it last. 5 lb. package will treat 100 to 150 individual plants or 200 to 250 running feet of plant row. Price 1 lb. pkg. 45c, 5 lb. bag \$1.75.



Chaperone Powder Dog Repellent

A new household dog repellent for keeping dogs off rugs and furniture. Odorless to humans and does not stain, but is very repulsive to dogs. 1 oz. tin, 50c; large size, \$1.00.

Chaperone Liquid Dog Repellent

For outdoor and garden use. Keeps dogs away longer from trees, shrubs and plants than most liquid repellents. 4 oz. bottle, 50c; 12 oz. can, \$1.00.

PUSSY SCAT

Powder repellent for household use keeps cats away from furniture, curtains, drapes, clothing, etc. Trial size can, 50c; large size can, \$1.00, postpaid, \$1.10.

PEST EXTERMINATORS



Ant-X-Trap. Deaths to Ants in the house or garden. This safety type container carries a multi bait attractive to both the sweet and grease eating type ants. This bait kills the ants in the nest. Price, 25c; six for \$1.25.

Ant-X Jelly Bait. Kills quickly. This jelly controls sweet and grease eating ants. It will also kill ants in the nest. 1 oz., 35c; 4-oz. tube, \$1.00; Industrial size, 5-lb. pail, \$15.00.

Dog-Check. The ideal repellent as a means of checking doggie habits. Safe and harmless to use. New formula will permit spraying on new growth. Unaffected by rain, one spraying lasts from two to three weeks. 3-oz. size, complete with sprayer, 60c; 8-oz. size, with sprayer, \$1.00; 32-oz. size, \$3.00; gallon, \$11.50.

Rat-Not. Safe way to exterminate rats. Prepared Bait, containing Squill. Can be used without fear of harming humans, dogs, live stock, etc. Trial size package of 9 Nots, 25c; Estate size, 50 Nots, \$1.00.



Mouse-Not. Impregnated seed; pregnated seed bait kills mice. Trial size package, 9 Nots, 25c; Estate size, 50 Nots, \$1.00.

Mole Nots. Lifesavers for lawns, bulb and seed beds. Trial size, 8 Nots, 35c; Estate size, 50 Nots, \$1.00; Jumbo size, 125 Nots, \$2.00; Gardener size, 400 Nots \$5.00; Giant size, 1,000 Nots \$10.00.

Roach-Not. Semi-toxic insecticide in prepared bait form. Very effective in controlling Roaches. Trial size, 9 Nots, 25c; Estate size, 50 Nots \$1.00.

Antu Rat Paste. Contains 5% Antu. Is mixed ready to apply on bait. 1 oz. tube, 35c; postpaid, 45c; 4 oz. tube, \$1.00; postpaid, \$1.10.

USE EROSIONET

For New Lawns, Weak Lawns, and Stubborn Terraces



Made of strong open mesh fabric, will hold your seed and sod firmly in place, prevents washouts, does not present an unsightly appearance, grass and clover soon rendering it almost invisible. Can be removed when grass becomes 2½ in. high. Width, 45 inches. Price per yd., 24c; 25 yd. lots, 21c per yd.; 100 yd. lots, 20c per yd.; rolls of 250 yds., 19c per yd.

RODENT ROCKETS



...THE EASY WAY

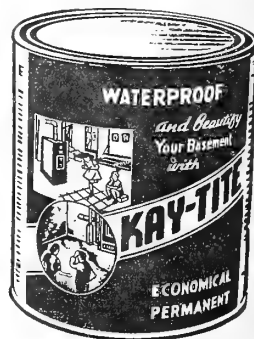
Novel, effective destroyers; light like a roman candle and blitz out whole families of gophers, moles, rats, field mice, ants, etc., at one "shot". Safe sure, efficient aids to hunters in "un-treing" hole-t-up woodchucks, raccoons, etc. 3 for 25c; dozen, 95c.

AQUELLA

The scientific mineral surface coating that waterproofs and dampproofs interior and exterior porous masonry surfaces such as concrete, masonry blocks, cinder blocks, cement, plaster, stucco and brick. Put up in 10 lb. bag. When mixed with three quarts of water makes one gallon of coating. Comes in two grades for interior coating and exterior. When ordering, specify grade. Price, per 10 lb. bag, \$3.95.

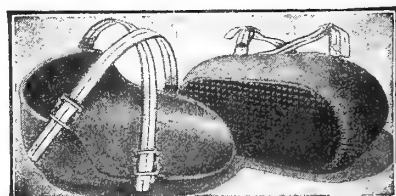
KAY-TITE

Masonry waterproof paint. Guaranteed to permanently water-proof cement cellars, cinder and concrete walls and floors, brick, tile, stucco and every type of masonry. Applied as easily as paint. Will waterproof from the inside, outside, below or above grade. Price per 10 lb. can \$2.90



Miscellaneous

KNEE PADS



All rubber cushion pads constructed of solid and sponge rubber with adjustable straps; fit any knee, will not slip down. Price, \$2.10; postpaid, \$2.25.

Protect Your Hands With Camcox Creme-glove

Protects hands from oils, paints, grease, grime, and dirt—a protection for your hands in the garden, housework, etc., gives you the freedom of bare hands with the protection gloves afford. Price, 8 oz. jar, 35c; postpaid, 45c.



Made of imported leather processed to make it pliable as kid and washable. An ideal glove for men and women gardeners. Will outwear six cotton gloves. Sizes for women: "Small," "Medium," "Large"—for men: "Medium" and "Large." Price, \$1.50 a pair, postpaid.

Bird Houses and Feeders

WREN HOUSE No. 16



This time tested stepkut house is designed to meet the needs of birds, the steps help nestlings to reach the exit, bottom removable for cleaning. Price, stained brown, each, \$2.00; white and green, each, \$2.50.

Blue Bird House No. 5 similar to the above, stained brown, \$1.50.

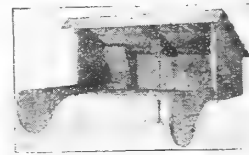
MARTIN HOUSE No. X915

Twenty compartment house, two stories high, unpainted, \$18.25. Painted two coats in white and green, \$22.50. No. X315. Twenty-eight compartment house, three stories high, unpainted, \$22.50. Painted two coats white and green, \$26.25. Crating charge \$1.00 extra.



No. FS 21. Garden Craft Feeding Station

This is one of the most successful and appreciated bird feeders. It is equipped with a spindle for mounting, and the double weather vane keeps the sheltered end headed into the wind, thus keeping the food dry in rainy or snowy weather.



Size 24x12x12. Shipping weight, 16 lbs. Price stained brown \$7.50. Price stained with glass back 10.25. Erection Post bored for mounting rod 1.75. Shipped by express, charges collect.

No. FS. 10. Garden Craft Bird Feeder

This cleverly constructed feeder will provide endless pleasure and satisfaction for bird lovers. You will be more than repaid for your generosity in providing food for your feathered friends during the early spring, late fall and winter, by their appreciation. Size 8x3x10 in. Shipping weight, 3 lbs. Price, \$2.25; postpaid, \$2.35.

Erection pole with arm \$1.25; postpaid, \$1.35.



Robin Roost No. 4

Robins will not occupy a nesting box, but insist on a covered sheltered shelf which allows them to see on at least three sides. Stained brown—each, \$2.25; 3 for \$6.50.

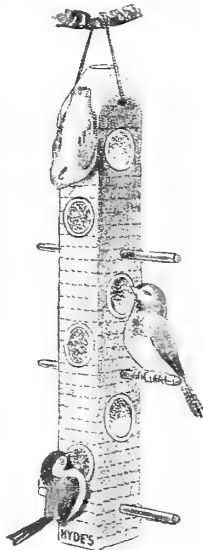


COMMUNITY DINER No. CDD

Aerial picnic grounds for Clinging and Perching Birds, i.e., Chickadees, Nuthatches, Woodpeckers, etc. and Juncos, Song Sparrows, Rose-Breasted Grosbeaks, Catbirds, Mockingbirds, Purple Finches, etc. No. CDD, price each filled \$1.50; postpaid \$1.75. No CDE filled and 24 extra Tidbits \$2.45 each, postpaid \$2.75. Both Gift boxed

Extra package of 24 tidbits \$1.20 per pkg.; three for \$3.50.

Except where specified otherwise items listed on this page will be shipped by exp. charges collect.



AUTOMATIC BIRD FEEDERS

(Patented)

An economical feeder for all kinds of seeds, cracked corn or other small food.

If filled with sunflower seeds, it unfailingly attracts Cardinals, rose-breasted Grosbeaks, Finches and many other large as well as small pretty birds all year round.

Birds enjoy swinging with the feeder. Each, \$2.50; postpaid, \$2.60; 3 for \$6.50.

For Hot Beds and Cold Frames

Hotbed Sash will not be available. See page 96 Steel Cold Frame.

VITAPANE

A flexible glass substitute; transparent all purpose window material, withstands wind, snow and rain, allows more light, permits easy inspection. Put up in rolls 36 inches wide. Price per 50 ft. roll \$10.25; 1/2 roll, \$5.50; per yd., 75c.



GLAZING POINTS. Vaughan's Perfection. No rights or lefts; No. 2, small, for single thick glass; No. 2 1/2, double thick, for greenhouses and skylights. Price per box of 1 lb., 90c; by mail, 95c. **Siebert's Improved.** Easy to drive, and will not wedge or crack glass, 2 sizes, 3/8 and 1/2 inch long. Price per lb., 85c; by mail, 90c.

SEED FLATS-WOOD

Made from Cypress and Pine. Flats come knocked down. Put up in bundles of 10 flats.

No. 3- 21 1/2 x 14 x 2-3/4 in. per bdl. of 10 \$5.25
No. 3-A- 21 1/2 x 14 x 3-3/4 " " " " 5.75
No. 4- 24 x 15 x 2-3/4 " " " " 6.00
No. 4-A- 24 x 15 x 3-3/4 " " " " 6.50

We do not break bundles.

CEL-O-GLASS

Will take the place of glass. Unbreakable and very light in weight. Properly installed Cel-O-Glass is guaranteed for five years. Will not break like glass or tear like cloth. Flexible, easy to handle and install. 3 ft. wide, Per yard \$1.60; 25 ft. roll \$9.75; 100 ft. roll \$32.50.



Standard Grade Tested

THERMOMETERS. Tin Case, Standard Grade Tested. 12-in., \$2.75.



Hotbed

Hotbed. All glass, each, \$1.50, postpaid.

Self-Registering. With magnet to set it, 8-inch, each, \$10.00; registers highest and lowest temperature.

Thermometers shipped by parcel post at purchaser's risk only

Green Neponset Paper Pots

Especially adapted for growing. Doz. 100 1000
2 1/2-in. \$0.45 \$1.65 \$12.50
3-in.50 2.00 14.00
4-in.60 3.00 19.00
5-in.95 3.35 28.75

NEPONSET PAPER POTS (RED).

Made of waterproof paper, light, clean and unbreakable.

Doz. 100 1000
2 -in. \$0.22 \$0.90 \$ 5.60
2 1/4-in.25 1.00 6.60
2 1/2-in.30 1.25 7.20
3 -in.35 1.50 8.60
3 1/2-in.40 1.85 10.00
4 -in.50 2.10 11.50
5 -in.60 3.00 18.50
6 -in.70 3.25 21.25

Write in for Prices on Hotbed Mats.

PLANT BANDS

Made of waterproof, mildew resistant material. Will last a full growing season. 30—2 in., per package, 25c; postpaid, 35c.

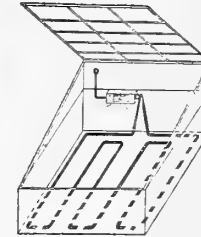
EVER-READY SMUDGE STOVES

Will drive away mosquitoes, flies, and insects. Has a pleasant odor, lasts from 14 to 24 hours. Each, 35c; doz., \$3.60.



Sieves. For sifting soil 18 inches in diameter all size mesh from 1/4 to 1/2 inch. Each, \$2.25.

MOSS. MOSS Sphagnum. Burlapped bales. Ea., \$3.50.

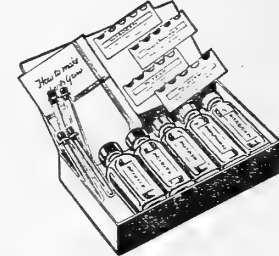


GRO-QUICK Electric Seed Bed Heater

Soil heating cable and thermostat. Jr. package contains thermostat and 40 ft. 200 watt cable for 3x6 ft. hot bed or 25 square ft. of cold frame. Price \$5.35. Sr. package contains thermostat and 80 ft. 400 watt cable for 6x6 ft. hot bed or 50 square ft. of cold frame. Price \$6.95; Jr. cable only price \$1.60; Sr. cable only price \$3.20.

Soil Testers

THE SUDBURY HOME GARDENER'S SOIL TEST KIT



This simple, practical, easy-to-use kit is your best insurance of gardening success. Made by the maker of professional field test kits used by nurserymen, growers and greenkeepers throughout the country. Tests for nitrogen, phosphorus, potash and acidity. It will make at least three separate tests for each element. No technical skill required. Results of tests are apparent immediately. The Sudbury Home Gardener's Soil Test Kit, complete with instructions and data on plant needs, \$2.00, postpaid, \$2.10.

Testing Fluid for Refill—Specify whether for nitrogen, phosphorus, potash, or acidity. When ordering the above, it requires No. 2 and No. 3 to make Nitrogen Tests, No. 4 and No. 5 for Phosphorus Tests and No. 6 and No. 7 to make Potash Tests, therefore when ordering, please order two numbers. 2 oz., 75c. 6 oz., \$1.50, both postpaid.

NEW CLUB MODEL KIT

\$4.75, postpaid \$5.00

An advanced amateur, or a garden club, 4-H club, or neighborhood group, will find this larger kit invaluable. It is housed in an attractive case of imitation leather and contains sufficient material for many accurate tests.

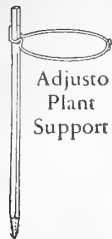
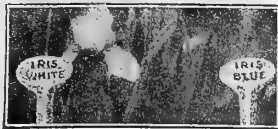
SAXOLIN DUPLEX CRINKLED WATERPROOF TREE WRAP



For covering the trunks of transplanted and newly set fruit and shade trees. Helps your stock to get off to a healthy start. Rolls, 4 inches wide, about 155 ft. to a roll. Weight, about 2 1/2 lbs. Each, 85c; postpaid, 95c; doz., \$8.40.

Labels, Plant Supports

Plant Markers, Oval Top. Made of heavy galvanized sheeting 9 inches long. Price, per doz., 95c; per 100, \$6.25. Special black ink for marking labels, 4 oz. bottle, 80c.

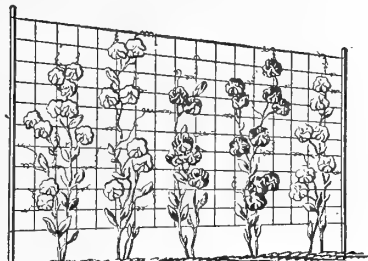


Adjusto Plant Support

Adjusto Plant Support

Has a unique self-locking adjustable feature causing the hoop to positively stay where put, yet it can be instantly adjusted to any height desired. The heavy green painted wood stake $\frac{1}{2}$ inch square will stand firmly in the ground. The hoop is of 8 gauge galvanized wire, 13 inches in diameter, and may be opened up to put around large plants. 3 ft., doz., \$3.25; 4 ft., doz., \$3.85; 5 ft., doz., \$4.25; extra wire hoops, doz., \$1.80.

TRAIN-ETTS



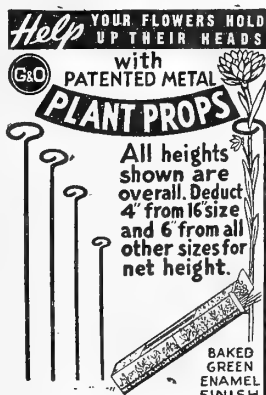
New weatherized trellis netting. Ideal support for Sweet Peas, Morning Glories or any of the light climbing vines. Made in three sizes. No. 1, 60x72 in., 65c, each, postpaid, 70c. No. 2, 60x96 in., 85c, each, postpaid, 90c. No. 3, 60x180 in., \$1.25, each, postpaid, \$1.35.



TWISTEMS

New handy plant tie. A twist of the wrist and a plant is tied. They are dark green so they blend with the foliage. No twine, raffia or shears needed. Handy for tying tomatoes, peonies, dahlias, etc. 8-in. size, price per package of 125, 35c; postpaid 40c. 16-in. size, price per bundle of 250, \$1.25; postpaid, \$1.35.

WIRE PLANT PROPS



These require no tying, as the loop at the top can be slipped around the plant stem. To determine the net height of each prop, deduct the following from the overall length: 4 inches from the 16-inch size, 6 ins. from all other sizes. This represents the depth to which the stake should be pushed into the ground. It looks better if the shortest practical height is used. Prices: 16 inches overall, doz., 60c; 30 inches overall, doz., \$1.10; 42 in. overall, doz., \$1.30; 66 in. overall, doz., \$2.15; 78 in., doz., \$3.25.

PROTECTION FENCE RODS

Stiff strong green enameled rod, supports one or two rows of wire, heavy twine or clothes line. Very handy for circling trees and ornamentals, to keep dogs at safe distance. Doz., \$1.30.

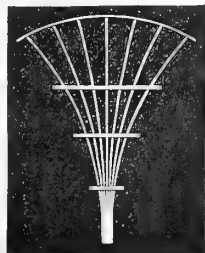


Ornamental Lawn Fans

Most popular and inexpensive. Are most substantially built in natural wood finish.

No. 106—Height, 72 in. Spread, 42 in. Price, each, \$2.15.

No. 108—Height, 96 in. Spread, 60 in. Price, each, \$2.85.



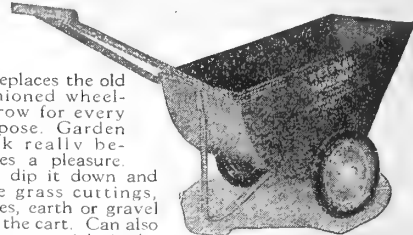
BASKET-MAKING MATERIALS

Add postage to your order if to go by mail. The Raffia which we import is the finest grade to be obtained. Besides the natural shade, we have it in 12 different colors: dark red, Irish-green, olive-green, pea-green, navy-blue, seal-brown, orange, black, old gold, pink, purple, and bright red.

Raffia Fibre for Baskets, Etc.

5-lb. Lots Bunch Lb. Per Lb. Natural, Best Grade, about 2 oz. \$0.20 \$0.95 \$0.90 Colored, about 1 oz. .20 1.30 1.25

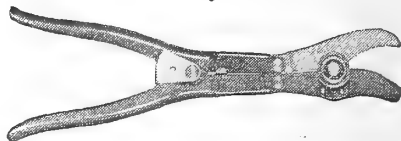
MASTERS HANDI-CART



Replaces the old fashioned wheelbarrow for every purpose. Garden work really becomes a pleasure. Just dip it down and rake grass cuttings, leaves, earth or gravel into the cart. Can also mix cement right in the cart. No. 18-S, size of wheels 10 in. diameter. Extreme overall width of cart 20 in. Size of hopper body 26 $\frac{1}{2}$ x 16 x 12 $\frac{1}{2}$ in. Price each, \$7.25.

No. 20-D, size of wheels 10 in. diameter. Extreme overall width of Cart 25 in. Size of hopper body 27 $\frac{1}{2}$ x 21 x 13 $\frac{1}{2}$ in. Price each, \$9.50.

Pruning Tools



ALLIGATOR PRUNING SHEARS

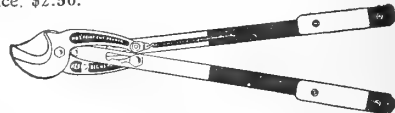
A practical handy shear. Each, \$1.75; postpaid, \$1.85.

PORTER TWINCUT PROFESSIONAL ONE-HAND PRUNER

This pruner is drop forged from selected tool steel. The patented pivot bolt cannot tighten or loosen in use, yet can be easily adjusted. Equipped with new concealed locking device. Instantly locks or unlocks the closed tool with the touch of the thumb. 9 inches, full polish, price, each, \$4.35; postpaid, \$4.50.

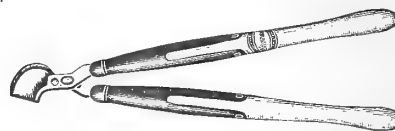
TELEPHONE TREE PRUNER HEAD ONLY

A strong rugged pruner with operating mechanism entirely in the pruner head. Can be fitted to any pole. Price, \$2.50.



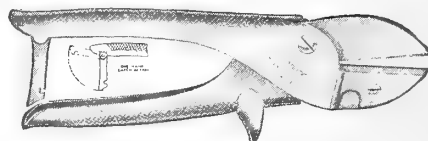
THE PORTER POINTCUT PRUNER

Designed for the fruit grower. Light in weight, 2 $\frac{1}{2}$ lbs., 20 inches long. Easy to use in close places. \$6.75. No. 2—27 inches long, will cut branches up to 1 $\frac{1}{2}$ inches in green wood. Each, \$7.25. No. 3—34 inches long for extra heavy pruning. Each, \$8.50.



BUCKEYE PRUNER

A strong rugged pruner. handles reinforced by strap iron. 20 inch, each, \$2.50; postpaid, \$2.75; 26 inch, \$3.00; postpaid, \$3.25.



Snap Cut Pruner. No. 906B. Heavy duty, full polished, \$2.65; postpaid, \$2.75.



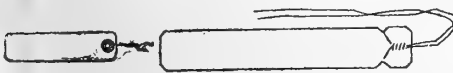
No. 31 SIMPLEX Green Weather-Proof Plant Labels. Price includes copper wires for attaching and stylus with orders for 100. No. 31, size, 3x $\frac{1}{2}$ inch, per doz., 40c; per 100, \$2.50.

LABELS—Wooden. For pots, painted:



100	1000	100	1000
4-inch....\$0.60	\$2.75	12-inch..\$1.95	\$15.00
6-inch....	.75 4.35		

Tree, Labels Wired. 3 $\frac{1}{2}$ in. 100, 75c; 1000, \$4.25.



LABELS, Zinc, Tree. Wired 3 $\frac{1}{2}$ inches long $\frac{1}{4}$ inch wide. Price, per doz., 35c; 100, \$2.10.

Perma Label—New Improved Type



Made of Sorex. Since metal labels cannot be had any more, this is a very good substitute. This label should last at least a few seasons. It can be tied around a branch or shrub and tied with one loop. Ordinary pencil marking will not wash off. Price, per 100, 65c; 500 for \$2.75; 1000 for \$5.00.

Lead Labels

Same as illustrated above. These labels do not have hole. They can be tied around twig or limb with one loop. Made of soft lead, should last permanently. Price, per 100, \$1.35; 500 for \$6.00.

Wayward Vine Guide and Support

For Training and Supporting Ivy, Small Fruiting Trees and all other Vines, etc. on Brick, Stucco, Stone and Cement Walls without Defacing. No Nails—No Holes. Price, box of 25, including cement, \$1.00; postpaid, \$1.10.

STAKES

STAKES—HEAVY TONKIN. Natural Color.

Heavy weight bamboo, entire stake same weight; do not taper. Ideal for roses, dahlias, young trees, etc. Will last a lifetime. F.O.B. N. Y. F.O.B. Chicago.

Length	Diameter	Doz.	100	Doz.	100
4 ft....	$\frac{1}{2}$ to $\frac{3}{4}$ inch	\$1.75	\$10.00	\$2.00	\$10.75
5 ft....	$\frac{1}{2}$ to $\frac{3}{4}$ inch	2.20	11.25	2.50	12.00
6 ft....	$\frac{1}{2}$ to $\frac{3}{4}$ inch	2.50	13.50	2.75	14.00
8 ft....	$\frac{1}{2}$ to $\frac{3}{4}$ inch	2.75	14.95	3.00	15.50

STAKES—WOODEN. Painted Green.

Length	Diameter	Doz.	100	Doz.	100
3 ft....	1/2 inch	\$1.60	\$10.50		
4 ft....	1/2 inch	1.95	13.50		
5 ft....	1/2 inch	2.50	16.50		
6 ft....	1/2 inch	2.95	20.50		

Light Grade (for smaller plants).

Length	Diameter	Doz.	100	Doz.	100
1 1/2 ft....	1/4 inch	\$0.50	\$2.50	3 1/2 ft....	\$1.35
2 ft....	1/4 inch	.65	4.00	4 ft....	1.75
2 1/2 ft....	1/4 inch	1.00	5.50	5 ft....	2.45
3 ft....	1/4 inch	1.20	7.75		

STAKES—BAMBOO. Painted Green.

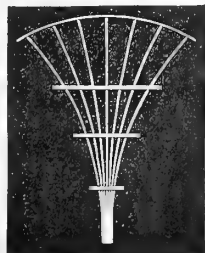
Length	Diameter	Doz.	100	Doz.	100
1 1/2 ft....	1/4 inch	\$1.25	\$5.50	3 ft....	\$1.75
2 ft....	1/4 inch	1.40	7.75	3 1/2 ft....	2.00
2 1/2 ft....	1/4 inch	1.60	9.00	4 ft....	2.25
Bamboo not painted, 6 ft....			2.95		26.50

STAKES—Galvanized Wire.

Length	Diameter	Doz.	100	Doz.	100
No. 9 Wire Doz.		\$0.50	\$1.60	No. 8 Wire Doz.	
1 1/2 ft....		.60	4.00	3 1/2 ft....	\$0.85
2 ft....		.70	4.20	4 ft....	1.35
2 1/2 ft....		.75	4.50	5 ft....	5.25

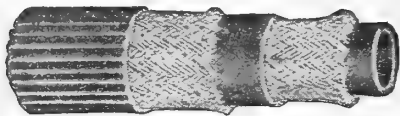
Six Ft.—3 Tie Dahlia Stake

For Dahlias, Gladiolas, Young Fruit Trees, Vines, Pole Beans, Giant Peas, and a score of other needs. Made of rugged hardwood with 3 ($\frac{1}{4}$ " holes to regulate respective heights of tall growing flowers, vegetables and vines. Price, per doz., \$3.60; 3 doz. for \$10.50.

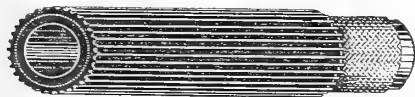


For Lawns and Irrigation

*WATER NON-KINKABLE HOSE



This is the finest grade of hose obtainable at this time. This is a two braid hose and is suitable for garden and greenhouse use. $\frac{3}{4}$ inch red corrugated cover. 50 ft. lengths. Coupled, \$12.45; 25 foot lengths, coupled, each, \$6.95.



A Good Grade Garden Hose, $\frac{5}{8}$ inch, fitted with $\frac{3}{4}$ inch couplings. 50 foot length, \$7.95.

AMEPCO GUARANTEED PLASTIC HOSE

Kink proof, crack proof, light as a feather. Green, $\frac{5}{8}$ inch, 25 ft. lengths coupled, \$7.45; 50 ft., \$12.95. Amber, $\frac{3}{4}$ inch, 25 ft. lengths, coupled, \$13.75; 50 ft. \$24.50.

METAL CLINCHER HOSE MENDER

Price, each, 15c; doz., \$1.50.



LINCOLN PARK OR BUTTERFLY SPRINKLER

Cheapest and best sprinkler made. Each, \$1.00; postpaid, \$1.10.

JUSTRITE BRASS HOSE NOZZLE

For lawn and garden. Can be changed from fine spray to stream. $\frac{3}{4}$ inch, each, \$1.00; by mail \$1.10.



RAIN KING ADJUSTABLE HOSE NOZZLE

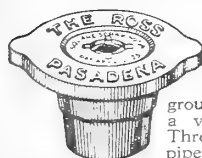


Can be adjusted from fine spray to stream. Price, each, \$1.00; postpaid, \$1.10.

ROOT IRRIGATORS

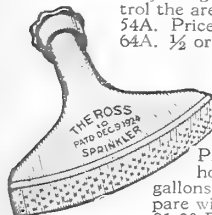
For trees, shrubs and flowers. Irrigates directly at the roots, dissolving the plant food in the soil and making it readily absorbable. Price each, \$3.00.

ROSS SQUARE SPRAY HEADS FOR SCIENTIFIC SPRINKLING



It sprinkles a square, making it easy for you to install your own underground system, at a very low cost. Threaded for $\frac{1}{2}$ in. pipe, capacity $3\frac{1}{4}$ gals. per minute.

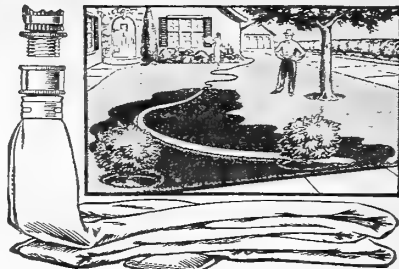
Has a slotted adjusting screw to control the area of the spray. 54A. Price, per doz., \$7.80. 64A. $\frac{1}{2}$ or $\frac{3}{4}$ circle heads. Doz., \$7.80.



ROSS NO. 10 HAND SPRINKLER

Preferred by nurserymen and home owners alike. Capacity 13 gallons per minute. Do not compare with cheaper imitations. Each \$1.00 Postpaid \$1.10.

SOIL SOAKER



Soil Soaker for deep soaking, the water method approved by agricultural colleges and nurseries, now available for home use. Equipped with regular hose connection for attaching to hose or pipe. Price, No. 0, 12 ft., \$1.45; No. 1, 18 ft., \$1.95; No. 2, 30 ft., \$3.00; No. 3, 50 ft., \$4.85.

HOSE COUPLINGS



$\frac{3}{4}$ in. stamped brass. The heavily plated steel fingers grip the hose tightly and make a leak-proof connection. The couplings have a large octagon shaped swivel. They are easily attached. Each 45c; postpaid, doz., \$4.60.

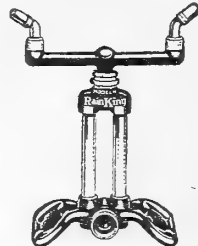


HOTHOUSE SPRINKLER

All brass, distributes water evenly; $\frac{3}{4}$ inch connection; 3 inch face, each, 75c postpaid; 4 inch face, each, \$1.00 postpaid.

RAIN KING SPRINKLER MODEL H

Chrome plated. Adjustable for coarse or medium shower. Can be used for revolving or stationary sprinkling by simply turning lock wheel. 11 $\frac{1}{4}$ in. tall; 9 $\frac{1}{4}$ in. from nozzle to nozzle. Price each \$5.25. Shipping weight, 5 lbs.

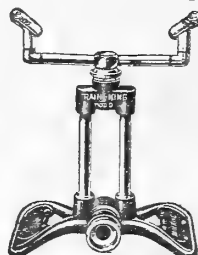


RAIN KING SPRINKLER MODEL K



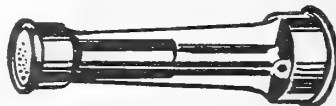
Automatic, new, sensational sprinkler that you can set instantly to sprinkle any size circle 5 to 50 ft. by simply turning the button on top of the sprinkler. Price each, \$6.75. Shipping weight, 5 lbs.

RAIN KING SPRINKLER MODEL D



Can be adjusted to operate slow or fast. Will operate on any water pressure. Price each \$3.95. Shipping weight, 4 lbs.

HAYES SPRINKL-AIR NOZZLE

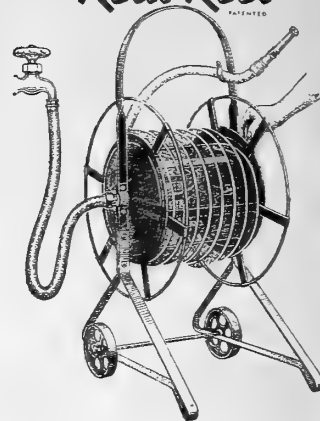


Mixes air into water flowing through garden hose... almost magically changes harsh, stabbing streams to soft, lacy, beneficial "Rain". SPRINKL-AIR's flow falls lightly onto freshly seeded lawns and gardens—no washing away of earth and seeds, no damage to tender seedlings and tiny plants. Price each, 69c; postpaid 79c.

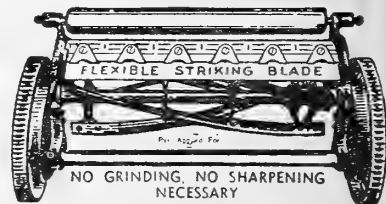
HOSE WASHERS

$\frac{3}{4}$ in., made of rubber. Per package of 25, 10c.

The SALEM
Real-Reel
PATENTED



The only portable reel permitting water to run through the reeled-up hose. Equipped with 5 ft. accessory hose and connection to attach to hydrant as illustrated. Saves time and work. The hose does not need to be removed from the reel to connect it to the water current. Made of the best steel, very durable. Price each, \$12.50.



FLEXIBLE STRIKING LAWN MOWER BLADES

No sharpening, no grinding. Old lawn mowers will cut as good as new. New mowers will cut better, too. Easily attached to mower by removing old blade. Sizes 14, 16, 18 and 20 inches. Postpaid price \$2.00 each.

METAL LAWN SIGNS

These attractive signs have raised letters, baked enamel finish for long attractive service. Have center holes for attaching to stakes. Size, 3 $\frac{1}{4}$ x 12 inches. Colors, green on white and black on white. Sign wordings—Please-Seeded—Keep Off The Grass. Signs with stakes, each, 40c; six for \$2.10.

KEEP OFF THE GRASS

Bergman Lawn Mower Sharpener

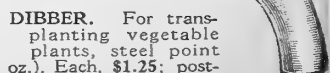


A high-grade, durable lawn mower sharpener, easy to use and adjustable to all types of machines. No danger of making low spots in the blades. Price, \$1.25.

We hope to be in position to furnish Lawn Rollers and Lawn Mowers after March 1st.

HOLE-IN-ONE PLANTING TOOL

Make a hole in one operation. Simply cut the tool into the soil, remove it with a twisting motion, and with the tool comes a plug of soil, leaving a perfectly flat-bottomed hole. Small hand tool for cultivated soil. Each, 75c; postpaid, 85c.



DIBBER. For transplanting vegetable plants, steel point (weight, 10 oz.). Each, \$1.25; postpaid, \$1.35.

BONHAM GARDEN CULTIVATOR



Makes gardening a pleasure. Complete with cultivator teeth, plow and furrower. All metal parts are dipped in weather-proof and rust resistant paint. Price each, \$8.45. F. O. B. New York, \$8.75.

No. 110 Gardex Pull Hoe Weeder

This improved tool will do your weeding even in hard, dry and heavy soil. It will enter hard soil just as easily as light soil, cutting the roots of the weeds 2 to 3 inches deep. Made of specially rolled steel. The shears and cutting blades are sharp and resharpen while in use. Price: 5" width, \$1.50; 8" width, \$2.10.



No. 1523 Gardex Cultivator, Weeder

Cultivate and weed with one tool. Important for every gardener. The 3-prong cultivator loosens the soil thoroughly while the weeding blade cuts off all weeds quickly. One tool for two purposes. Painted red, 3 prongs 4 1/4" wide. Weeding blade 4 1/4" wide—without handle, \$1.35.



No. 1605 Gardex Interchangeable Garden Cultivator

The ideal tool, and the friend of many gardeners. A faithful helper for every woman who tends her own flower and vegetable garden. Loosens and air-conditions the soil in flower and vegetable gardens. The position and construction of the tines cause them to penetrate any soil easily, and they loosen and aerate the ground thoroughly with an easy pulling motion. No chopping hoe can do this job so evenly and neatly.

No. 1605—5 prongs adjustable width 3/4" to 7"—with 5 ft. normal length Gardex handle. \$1.50



HANDY CRAB GRASS RAKE

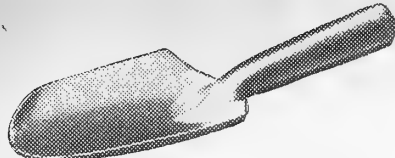
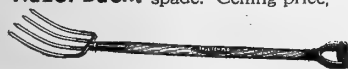
This rake is formed so that the teeth pull flat on the sod; thus they get under the branches of the Crab Grass, shear off the entire head of the plants and keep them from further seeding. You can eliminate crab grass with this rake and not harm the other grasses; it will also pull out any weed that clings close to the ground. Each, \$1.50.



SPADE. Razor Back. Rolled in backbone extending full length through blade frog and socket. Ceiling price, ea., \$2.25.

SHOVEL. Razor Back. Same construction as spade. Ceiling price, each, \$2.25.

FORK. Lightweight Spading. True temper quality, handy for spading around shrubbery and perennials. Each, \$1.75.



ALUMINUM GARDEN TROWEL

Made of all aluminum. One piece, heavy duty trowel, each 75c; postpaid 85c.

TROWEL, TRANSPLANTING

Polished with narrow blade. Price each, 35c; postpaid, 45c.

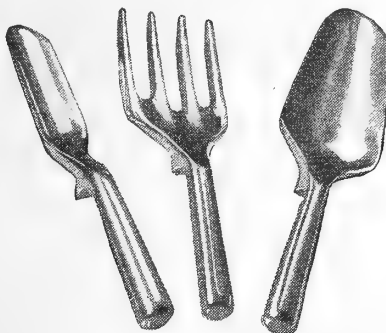
GARDEN TROWEL

Made of high quality carbon steel with hard wood handle. Price each, 45c; postpaid, 55c.

Highest quality. All steel, one piece steel shank. Price each, \$1.25; postpaid, \$1.35.

STANDARD GARDEN TROWEL

Full polished with hardwood handle and riveted blade. Each postpaid 45c.



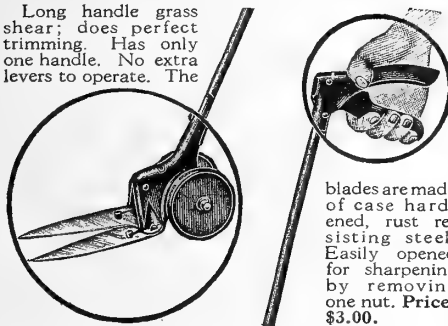
MARKEL POLISHED FEATHER- LIGHT GARDEN SET

Set of 3 for \$3.95, postpaid \$4.25

Made of cast aluminum as strong as steel, these tools are light as a feather, and moulded to fit your hand. They are absolutely rust-proof, and easily cleansed and polished, so they will be beautiful as well as useful as long as they last, which will be for many years. A large trowel, small transplanting trowel, and hand-fork for cultivating are included in the set of three.

DOO-KLIP GRASS SHEARS

Long handle grass shear; does perfect trimming. Has only one handle. No extra levers to operate. The



blades are made of case hardened, rust resisting steel. Easily opened for sharpening by removing one nut. Price, \$3.00.

DOO KLIP GRASS SHEAR

With offset handle. Price each \$1.75, Postpaid \$1.85.

KNIVES

Budding and Prop. Two blades; white handle; brass caps. Each, \$2.75; by mail, \$2.85.

Propagating. "The Vaughan," best of all. Each \$2.75; by mail, \$2.85.

Pruning, Heavy. Each, \$2.50; by mail, \$2.60.



Potato Knife. "The Humphrey." Will cut to one or more eyes without injuring the vital tissues. Each, postpaid, 35c; 3 for \$1.00.



CARBORUNDUM BRAND. Home and garden sharpening stone. For sharpening knives, shears, edgers, etc. 10 1/4 inches long over all. Fitted with durable wood finished handle. Ea., \$1.00; by mail, \$1.10

SEED SOWER
Cyclone. (New Improved Model.) An accurate portable seeder, for all broadcast sowing or fertilizing. Fits comfortably over shoulder; provided with automatic adjustment for stopping flow of contents when required. A great time and labor saver. Each, \$3.50.



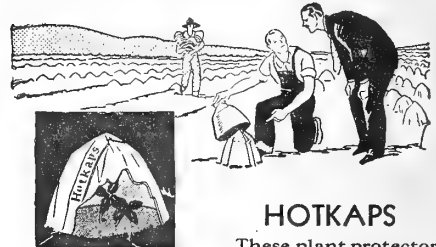
NEW HANDY SEEDER



This little handy seeder will sow seeds up to size of sweet peas, scatters seed individually, prevents crowding and choking of seedlings, eliminates guess work because you can see each seed drop, no matter how fine. Saves time. Price, each, 65c, postpaid.

GRAFTING WAX. Per 1/4 lb. bar, 30c; 1/2 lb. bar 45c; 1 lb. bar, 70c.

Protectors



HOTKAPS

These plant protectors mean larger, earlier, premium crops.

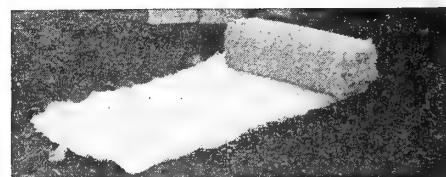
Protects plants from frost and other elements, matures crops earlier, keeps insects out, keeps soil soft. They are made of a specially prepared waxed paper and are cone-like in shape, measuring about 11 inches in diameter at the base and coming to a point at the top. When placed over the plants and held firmly in place by the soil around them, Hotkaps become individual miniature hothouses.

Hotkap Setter. Will prove very helpful. This is a small steel cone, the exact shape of the Hotkap itself, with a handle at the top. The cost of the Hotkap setter is nominal and it can be used a lifetime.

Prices: 1,000 lots, \$12.00; 5,000 lots, \$11.75 per M; 10,000 lots, \$11.50 per M; 25,000 lots, \$11.25; 250 Trial Package including Fibreboard Setter with Tamper, \$4.15; 100 Home Package, including Fibreboard Setter with Tamper, \$2.20. Wt.: 1,000 package HOTKAPS, 30 lbs.; 250 package, 9 lbs.; 100 package, 5 lbs.; Fibreboard Hotkap Setter, 3 lbs.; Fibreboard Setter alone, 25c; Steel Hotkap Setter, \$1.75.

Special Victory Garden Packages Hotkaps

Including setter. Package of 25 Hotkaps and cardboard setter, 60c, postpaid 80c; package of 100, including fibreboard setter, \$2.20, postpaid, \$2.50.



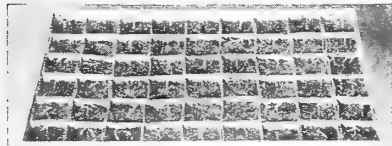
Glass Wool Mulch. Protection and perfect mulen for your prized Plants and Shrubs; has been proved superior to all other mulches for the winter protection of plants. A snowy white blanket composed of extremely fine glass fibres, put up in bates; 24" x 96" in size and approximately 1 1/2 inches thick at 1 1/2 lbs. per cubic foot density. Price, per bat, 95c; three for \$2.65; carton of 12, \$8.95.

SPRINGFIELD LAWN SWEEPER

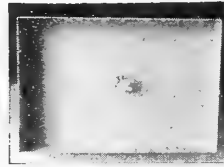
20 inch with semi pneumatic tire. Each, \$36.00; 28 inch each, \$48.00. F. O. B. Chicago.

Vaughan's Wick-fed

WOOD SEED STARTER



View of Wick-fed Starter with Plant Bands.
Size, 12x18 inches, 4 inches high.



How wick is placed in bottom of starter.



End view showing water pan below.

COMPLETE, WITH FIBRE GLASS WICK, 60 PLANT BANDS, AND SPHAGNUM MOSS, \$2.75 FOR (Weight, 4½ lbs.)

This seed starter must not be confused with the fragile, impractical pasteboard devices which have disappointed so many customers. This is a full size "flat," made of heavy wood to last for years, stained pale green, which you will be glad to have in your sun parlor or living room window.

It makes use of two of the most recent scientific developments in seed starting:
1. Wick-feeding of water, which keeps the soil at just the right moisture, never drying out, never too wet, and never dripping dirty water from an overflow.
2. The use of sphagnum moss to prevent damping off of seedlings, highly recommended by the U. S. D. A.

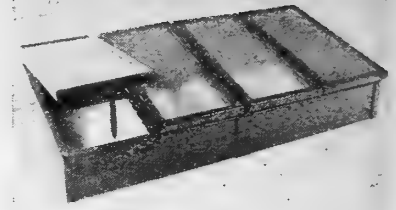
As shown in the illustrations, water is supplied to the soil from a pan placed underneath the starter, by the agency of capillary attraction, through a fibre glass wick, the top of which is frayed and embedded in the soil, the lower end being immersed in water in the pan below. Any suitable pan, saucer, or dish can be used.

Fill this container with water daily, and the wick will do the rest. This method of watering leaves nothing to chance or judgment, and solves in the easiest imaginable way one of the most serious problems of seed-box management. It has been thoroughly tested by Cornell University. The wick will last indefinitely.

Seeds may be sown in the starter in rows, broadcast or, as shown in the illustration, in plant bands. If started in plant bands, and grown one plant to a band, sturdy full size pot plants will be produced without transplanting. Seedlings may be easily transplanted into plant bands, if preferred.

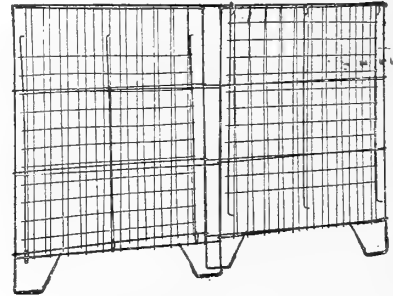
Steel Cold Frame.

This complete insulated cold frame, will be a boon to those unable to obtain standard glazed sash. Measures 34 by 70 inches, divided into four sections, insulated with fibreglas, sash glazed with Vimlite celanese plastic which admits ultra-violet rays and is hail proof. Made of 22 gauge steel. Finished with green with Roxalin Flexible Finish, it is strong and rigid; yet sash are light and wind-proof. Packed in carton, weighing about 50 pounds, easily assembled in 10 minutes. F. O. B. Chicago, Ill., or New York City, each, \$19.95.



FOLDAWAY INCINERATOR

All welded construction, painted green enamel. Ideal for burning leaves, paper, etc. Folds away flat. Height 24½ inches, depth 18½ inches, width 18½ inches. There are four sides, plus top and bottom, to insure that material burned in this incinerator cannot be carried away by the wind, to constitute a fire hazard. When folded flat, the entire incinerator measures 37x24x1¼ inches and can be stored in small space until needed again. Price each, \$2.35.



DeLuxe Seed Starter and Pot Combination

This consists of a seed starter of waterproof paper board, capacity six to twelve dozen seedlings, and 50 round pots of similar material into which seedlings may be transplanted. A self-watering device in the seed starter requires attention once or twice a week.

No. R.G.50, consists of seed starter and 50 2¼-inch pots, for 89c; postpaid, \$1.00.

Window Sill Greenhouse

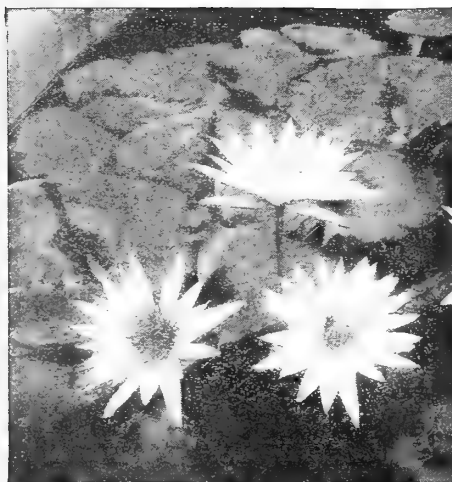
Capacity, 30 to 60 seedlings, 22 pot plants. Made of mildew resistant waterproof material. R B 22, each, 29c; postpaid, 36c.

PUTTIROPE. Improvement for glazing, and caulking. Easy to apply, won't deteriorate. Price, per box, 100 ft., \$1.35; 1000 ft., \$6.75.

Water Lilies

AS the principal feature of interest in the small garden, a pool answers admirably. It can be made to harmonize with either natural or formal styles and fits well into most designs. It will furnish a home for gold fish, and other aquatic animal life, while the bog plants and water lilies which can be grown in it have both beauty and strangeness to attract all. Garden makers are learning how easy it is to grow water plants and how richly they reward them.

For prepaid delivery add 10c each to hardy varieties and 25c to tropicals.



WATER LILY, MRS. W. R. JAMES

TWO TROPICAL WATER LILIES \$3.85

Prepaid 600 miles. Catalogue Value \$5.25
One each Blue Beauty and Juno, White night bloomer

TROPICAL WATER LILIES

Set out after June 1st in vicinity of Chicago. By August 1st will be in full bloom. Must have warm water and full exposure to sun. All are day bloomers, except Missouri, Juno and Hitchcock.

August Koch. Medium sized lovely lavender flowers. Free flowering. \$2.50.

Frances Griffith. Outstanding royal purple. Best of its color. \$2.75.

Mrs. W. R. James. A finer pink than Pershing. Huge flowers. \$2.50

Blue Beauty. Huge sky-blue. Most vigorous. \$2.50.

Mrs. George Pring. Star-shaped white flowers, free-blooming. \$2.50.

Missouri. Huge white flowers open at night. \$2.75.

Juno. Huge white night bloomer. Very free and fragrant. We urge those who are not at home during the day to try night bloomers for greater enjoyment of the water garden. \$2.75.

Mrs. George C. Hitchcock. A pure rose pink night bloomer. Free blooming and of unusual size. \$2.75.

Pink Pearl. Brightest pink of lovely form. \$2.50.

Two Hardy Water Lilies .. \$3.00

Prepaid 600 Miles, Value \$4.50.

One each of Somptuosa (fragrant double pink) and Comanche (copper and apricot).

Two unusual and beautiful varieties seldom offered in collections.

HARDY WATER LILIES

This group requires less heat and will bloom earlier in spring. Can be carried over winter by the amateur with some protection. While flowers are smaller, they are borne over a longer season than the Tropicals. Most satisfactory for the average gardener.

Attraction. Garnet red with ruby shading. Finest red. \$3.00.

Chromatella. Pure canary yellow. Very vigorous and free flowering. \$1.75.

Comanche. At first of rich apricot hue, it deepens to copper. Its flower is held high above the water, like tropical water lilies. \$2.25.

Escarboucle. Brightest crimson and scarlet. Very striking. \$2.50.

Gloriosa. Deep carmine rose. Free and vigorous. \$2.50.

Hermine. A star-shaped white of clear, luminous texture. \$2.00.

James Brydon. Rosy crimson, small growth. Good for tubs. \$2.25.

Paul Hariot. Opens soft, clear yellow, deepens to apricot. \$1.85.

Pink Opal. Although new, so vigorous that the price is low. Deepest pink of great beauty. \$1.85.

Sioux. LARGEST of the sunset tints. Opens brassy yellow, deepens to blood red. \$2.00.

Somptuosa. Large double fragrant flowers of deep rosy pink with contrasting stamens of deep orange. \$2.25.

Vaughan's Irises



PLANTS BY PARCEL POST—I to be sent by parcel post, add postage as follows: Single plants, 5c; 3 plants, 10c; 6 plants, 15c; 12 plants, 25c. We accept no responsibility for delays or conditions that may prove injurious to the contents.

"S" refers to the three standard, or upright curling petals; "F" to falls or drooping petals.

Iris is the most effective if planted 3 of a kind in a clump.

*Indicates outstanding garden varieties.

OUTSTANDING VARIETIES

★ **Buechly Giant.** 40 in. This variety has the largest flowers of any Iris we grow. It is a clear lavender blue bicolor that has perfect form. 50c; 3 for \$1.25.

★ **City of Lincoln.** 40 in. A magnificent bi-color. The standards of clear, vivid yellow make a striking contrast with the golden edged, rich velvety red of its flaring falls. \$1.50.

★ **Copper Lustre.** 36 in. Dykes Medal, 1938. Its flowers are of hugh size and its color a blend of glowing copper and gold with iridescent sheen. 60c. 3 for \$1.50.

★ **Depute Nomblot.** 50 in. Dykes Medal 1930. A magnificent Iris of great size. S. coppery-red, flushed golden bronze; F. rich claret crimson. 50c; 3 for \$1.25.

★ **E. B. Williamson.** 36 in. An excellent Iris of rich, glowing coppery-red, almost a self, with a silky, lustrous finish. One of the finest of all Irises. 75c.

★ **Elsa Sass.** 38 in. Exquisite, ruffled flowers that are the color of lemon-ice, a most unusual shade that has a startling effect. \$1.00.

★ **Golden Treasure.** 38 in. An exquisite creamy yellow Iris with a glowing golden heart. Huge flowers; 60c; 3 for \$1.50.

★ **Gudrun.** 36 in. Enormous, well shaped flowers of lovely pure white, dusted with soft gold at the throat. Early. 55c; 3 for \$1.35.

★ **Indian Chief.** 40 in. Every garden should have this fine red. S. pinkish red. F. glowing velvety red. 50c; 3 for \$1.25.

★ **Jean Cayeux.** 38 in. Dykes Medal 1931. This Iris is a masterpiece. A beautiful blending of coffee or Havana brown with a golden glint that is enchanting. The flowers are of perfect shape. 50c; 3 for \$1.25.

★ **Naranja.** 40 in. One of the most talked of Iris originations. A large flowered yellow with a distinct orangy overcast on the falls. Decidedly different. 55c; 3 for \$1.35.

★ **Spring Cloud.** 42 in. A striking plicata. S. white heavily dotted and edged blue; F. clear white faintly marked blue. 50c.

★ **Tiffany.** 36 in. A sensational plicata creation in creamy yellow gaily stitched in a burnished rosey bronze. Hardy, free blooming. 60c.

★ **Wabash.** 39 in. Dykes Medal 1940. S. snowy white, delightfully ruffled at the edges; F. deep hyacinth violet with a definite white edge. Has wonderful substance and orchid-like beauty. \$1.00; 3 for \$2.50.

Seven Iris Aristocrats \$3⁰⁰

Catalogue Value \$4.10 (Postage 10c Additional)

These are among the fifty finest Irises in cultivation. Each is rated close to perfection and not long ago not one could have been purchased for the price of the collection. Your Iris display is lacking if you have not these varieties; and our low prices make it possible to own them for less than the cost of ordinary plants.

★ **Black Wings.** 38 in. Velvety black buds opening to large flowers of intense midnight blue overlaid with a frosty black luster. A striking variety that is easily grown and deliciously fragrant. 60c. 3 for \$1.50.

★ **Cheerio.** 40 in. Considered the most brilliant of all the red toned Irises. S. golden tan flushed rose; F. rich, glowing velvety red. Produces an abundance of finely formed flowers. A "must have" for your garden. 50c; 3 for \$1.25.

★ **Happy Days.** 40 in. An immense clear yellow with flowers over 7 inches from top to bottom. Perfectly branched with each stalk carrying 7 or 8 blooms. 55c; 3 for \$1.35.

★ **Red Dominion.** 40 in. S. clear lustrous, deep red, slightly frilled, F. broad, horizontal, velvety red; nearly black. One of the most popular Iris grown. 50c; 3 for \$1.25.

★ **Indian Hills.** 37 in. A stunning Iris of clear rich wine purple. Its large blooms are of good substance and fine, oval form. They have great carrying power and make a glorious mass of color in the garden. 60c; 3 for \$1.50.

★ **Maid of Astolat.** 45 in. One of the finest of all blue and white plicatas. Its large flowers of pure alabaster white are perfect in form and are daintily marked with clear blue. It is very hardy, blooms freely, and is so outstanding in the garden that it is wanted by everyone who sees it. Delightfully fragrant. 60c; 3 for \$1.50.

★ **Royal Coach.** 36 in. S. chamois yellow, overlaid pink with faint cinnamon dotting; F. semi-flaring, bright yellow, beautifully bordered and dotted brown. Flowers of heavy substance on strong branching plants. 75c; 3 for \$1.95.

IRIS KAEMPFERI

Price, except as noted, each 75c; 3 of one kind for \$2.00.

★ **Fascination.** Double mauve-pink lightly veined white.

★ **Gold Bound.** Double. White with gold-banded center. Early. 60c.

★ **Mahogany.** Large double flowers of velvety-mahogany red. Late.

★ **Momigi-No-Taki.** Bright rosy crimson feathered in white. Double.

★ **Purple and Gold.** Rich violet-purple with gold center. Double. 60c.

Special Offer No. 97. One each of above 5 named Kaempferi Irises (value \$3.45) for \$2.85. (Postage 15c additional).

Peonies

★ **Felix Crousse.** (8.4) Its large, globular flowers, are a brilliant, dazzling ruby-red. Late midseason. \$1.25.

★ **Festiva Maxima.** (9.3) Large flowers, often 7 to 8 inches in diameter. Flowers pure white, dotted carmine. Fragrant; early, \$1.25.

★ **Frances Willard.** (9.1) Perfectly formed flowers of exquisite bluish-white, changing to pure white. Excellent cut. \$1.50.

★ **Karl Rosefield.** (8.8) Huge ball-like flowers of rich velvety-crimson. Extra fine; early midseason. \$1.50.

★ **Marechal Valliant.** (7.5) American Beauty color; very large; late. \$1.00.

★ **Martha Bullock.** (9.1) Gigantic, cupped shaped flowers of bright old-rose pink. Rose-like fragrance; late. \$1.50.

★ **Mad. de Verneville.** (7.9) Very full and double, pure white, center tinted blush. Exquisite rose fragrance. Very beautiful reliable bloomer; early. \$1.00.

★ **Mons. Jules Elie.** (9.2) Immense flowers of glowing lilac-pink, shading to deeper rose, overlaid with a silver sheen. \$1.50.

★ **Sarah Bernhardt.** (9.0) Large, perfectly formed flowers of dark rose-pink with lighter edges. Prolific bloomer. \$1.50.

★ **Therese.** (9.5) Perfect blooms of immense size. Color violet-rose changing to lilac-white. Early mid-season. \$1.75.

★ **Tourangelle.** (9.4) One of the most beautiful of all Peonies. Pearl-white overlaid with delicate shades of salmon. \$1.50.

★ **Walter Faxon.** (9.3) The most vivid of all pink Peonies. Very fragrant. \$1.50.

Special Offer No. 97C. One each of Festiva Maxima, Karl Rosefield, Mons. Jules Elie and Sarah Bernhardt (value \$5.75), for \$4.50. (Postage and Packing, 15c additional).

Small Fruits

All Prices F.O.B. Western Springs, Ill. (If wanted by mail, add 10c per 10, 15c per 25, or 25c per 50 for postage and packing).

★ **BLUEBERRIES.** See page 100.

★ **BLACKBERRIES.** Price, 3 for 85c; 10 for \$2.00; 25 for \$4.50; 50 for \$7.50.

★ **Alfred, Eldorado, BOYSENBERRY (Thornless).** Sensational new fruit. Huge berries of rich purplish maroon. Very sweet; delicious flavor; few seeds. Price No. 1 transplants, 3 for \$1.75; 6 for \$3.00; 10 for \$4.50; 25 for \$9.50.

★ **RASPBERRIES.** Price, except where noted, 3 for \$1.00; 10 for \$2.50; 25 for \$5.50; 50 for \$10.00.

★ **Cumberland (Black).** Extra large, oval, rich and juicy. Good quality; very productive.

★ **Indian Summer—The Best Everbearing Red Raspberry.** Large berries of high quality ripen early and then produce a second crop in Sept. and Oct. Price, 3 for \$1.25; 10 for \$2.75; 25 for \$6.00.

★ **Latham (Red).** Berries are immense, dark red in color and well flavored. Extremely hardy.

★ **Morrison (New Black).** An extra large berry of high quality; not as seedy as most blackcaps.

★ **Sodus (New Purple).** Very heavy yielder of fine berries for home use. Large fruit; distinct flavor.

★ **Sunrise (New Red).** Extra early variety of large size and fine flavor. Very hardy.

★ **GRAPES.** Price, except where noted, 2 yr. No. 1 each, 75c; 3 of one kind for \$1.75; 10 for \$5.00.

★ **Caco (Red).** The most beautiful of the hardy grapes. Bunches large and compact, fruit sweet and palatable weeks before fully ripe.

★ **Catawba (Red).** Large bunches of coppery-red fruit. Late bearing; excellent for grape juice.

★ **Concord (Black).** The most popular grape in America. Large, handsome bunches of large, luscious berries; juicy, sweet and tender. Very productive.

★ **Concord Seedless (Black).** A seedless variety of Concord. Scarce. 2 yr. No. 1, \$1.50; 3 for \$4.00.

★ **Fredonia (Black).** The earliest good black grape, ripening about three weeks before most varieties. Clusters medium; berries large, of very good quality.

★ **Niagara (White).** Large, handsome, very sweet.

★ **Portland (White).** This is the earliest of all grapes. Large in bunch and berry; flesh sweet, juicy and of fine color. Hardy, vigorous, productive.

★ **Sheridan (Black).** Valuable new grape that is expected to replace Concord, which it surpasses in many regions. Large in bunch and berry; keeps and ships well. Good quality.

Special Offer No. 98D. One each of grapes Caco, Fredonia, Portland and Sheridan (value \$3.00) for \$1.95. (Postage and packing, 15c additional).

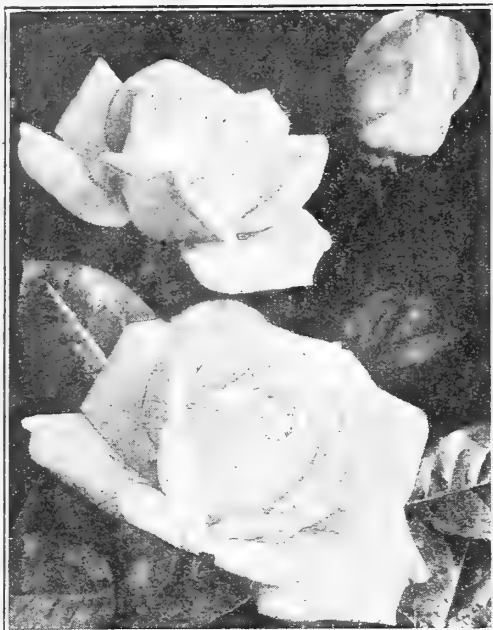
Ask for our "Complete List of Iris", ready in June. Complete list of Peonies will be found in our Fall Bulb Catalog, ready about Sept. 1st.

FALL BLOOMING IRISES

★ **Autumn King.** 30 in. A blue-purple bicolor of fine size. 45c; 3 for \$1.15.

★ **Eleanor Roosevelt.** 28 in. A very fine deep purple. 50c; 3 for \$1.25.

New Hardy Everblooming Hybrid Tea Roses



—Peace—

Pat. 591

All-America Rose Selection 1946

The Most Beautiful Rose in the World To-Day

Peace is the only All-America Rose Selection for 1946 and its final average score is the highest received by any rose since the official trials started. It is a beautiful creation, distinguished by the changing colors through which it passes—canary yellow, pale gold, cream, ivory and alabaster—white; cerise, rose and apple-blossom pink. Huge yellow buds, edged with cerise, open to great peony-like blooms, often 5 to 6 inches in diameter, which change to creamy yellow with a delicate flush of pink, deepening as the flower slowly opens. Blooms are produced singly all season on strong and straight stems; they last an unbelievably long time and they will bring an ethereal beauty to your garden all summer long. The plant is as superior as the bloom, hardy and vigorous, with shining holly-like foliage. Mild fragrance. Each, \$2.50; 3 for \$6.25; 12 for \$25.00.

The Hybrid Tea Roses bear their glorious blooms profusely from June until late fall. In severe winter climates they need proper winter protection.

Rubaiyat. AARS 1947. (Pat. Rights Reserved). Tall plants, luxuriant in growth, produce an abundance of long pointed buds which slowly open into very large blooms of a glorious cerise-red to crimson. Delicious Old Rose fragrance. \$2.50.

AARS. These are Roses selected by the Rose Council after two-year tests in 18 Official All-America Rose Selections Test Gardens. Only a Rose that is almost perfect and gives A-1 results in all parts of the country can pass their rigid tests. When you get an AARS variety, you get the best.

Price of the following six varieties:

Dormant Roses, \$2.00; 3 of one kind for \$5.50

Fred Edmunds. AARS 1944. (Pat. Pending). A spectacular Rose, so rich in color you can hardly believe your eyes. The long, pointed buds of burnt orange, on long stems, open to beautiful flowers of clear sparkling orange.

Horace McFarland. AARS 1945. (Patent pending). The buds are extra long and pointed, a deep apricot in color, and excellent for cutting. They open to big full, double flowers of deep glowing apricot-pink with light shades of salmon-buff and coral pink. Spicy fragrance. Foliage abundant, leathery, dark green.

Katherine T. Marshall. AARS 1944. (Pat. 607). Long pointed buds of exquisite coral pink open to very large, full cupped blooms of warm glowing pink; fruity fragrance. A marvelous grower.

Lowell Thomas. AARS 1944. (Pat. 595). Large, beautiful buds open into perfectly formed, high centered, lasting flowers of rich, golden yellow. Vigorous bushy plants.

Mme. Chiang Kai-Shek. AARS 1944. (Patent 664). The "Honor Rose" for 1944 and the loveliest of all yellow Roses. It has long pointed buds of light yellow which open full to beautifully formed, creamy yellow, long stemmed flowers; dark green foliage.

Mirandy. AARS 1945. (Pat. 632). The first place winner for 1945. The large, long pointed, ovoid buds, are a deep rich dark red with black shadings, opening to a gorgeous Chrysanthemum-red. The huge 50-petaled flowers are long lasting; have a wonderful fragrance, and are produced continuously all season.

Special Offer No. 98 One each of California, Charlotte Armstrong, Grand Duchess Charlotte and Heart's Desire, (value \$6.60) for \$6.00.

Price of the following eleven varieties:

Dormant Roses, \$1.65; 3 of one kind for \$4.50

***California.** AARS 1940. (Pat. 443). "The Rose of Roses in shades of gold." Its unusual coloring, ruddy orange toned with saffron yellow, has a dual tone effect of indescribable richness and beauty. Buds long and pointed, flowers of enormous size, often five inches in diameter. Growth vigorous, healthy foliage; fragrant.

***Charlotte Armstrong.** AARS 1941. (Pat. 455). An amazingly beautiful Rose with long, slender, blood-red buds open into magnificent, brilliantly colored flowers, spectrum-red in cool weather, cerise in hot weather. Blooms are on long stems and are very lasting when cut; plants are strong and vigorous with good foliage.

Commando. (Patent 702). A beautiful new Rose that is continuously in bloom. Produces large, full, 50-petaled flowers of coral, salmon and rose. Plant strong and vigorous with heavy dark green foliage.

***Crimson Glory.** (Patent No. 105). We consider this the finest of the new red Garden Roses. It gives a quantity of fine blooms all summer and fall. Its large, urn-shaped buds open to deliciously fragrant flowers of intense, deep vivid crimson shaded ox-blood red and mellowed by a soft velvety nap. Vigorous growth.

***Eclipse.** (Patent No. 172). Introduced in 1936, this Rose is internationally famous and is of sensationally new form. Long, streamlined buds of clear, bright yellow, freely produced. Semi-double blooms, lasting well. A fine garden Rose.

***Fantasia.** (Pat. 590). Beautiful pointed buds of bright golden yellow, in great profusion and often in clusters, open to medium-sized, high centered flowers of exquisite form. Wild Rose fragrance. Blooms as freely as the Floribundas.

***Grand Duchesse Charlotte.** AARS 1943. (Patent Applied For). The long streamlined buds of magnificent Morocco-red open to firm-petaled blooms of dusky coral-red which do not fade but gradually merge to a lovely coral-pink; carnation fragrance.

Heart's Desire. AARS 1942. (Patent 501). This is the No. 1 Rose of the 1942 "All-America Rose Selections;" and what a Rose, for it really has everything that your heart could desire. A pure luminous red color, very sweet fragrance, long stems for cutting, vigorous growth and good foliage.

Mary Margaret McBride. AARS 1943. (Pat. 537). This deliciously fragrant rose has long-pointed buds that slowly unfold into large, full double, high centered blooms of lovely coral-pink with a gold base. Excellent for cutting and exhibition.

***Mme. H. Guillot.** (Pat. 337). Long slender buds open to nicely formed large blooms of deep watermelon-pink, with a golden base, Rich fragrance.

***Signora.** (Patent No. 201). There is no Rose quite like this one, in its warm sympathy of color, mostly in shades of brownish orange and salmon. Long buds; very fragrant; tall growth

When varieties ordered are sold out, we reserve the right to substitute with equal value, unless instructed not to do so. As supply is limited, we will be unable to accept any orders for Roses after April 15.

All Roses listed are dormant, Northern grown 2 yr. No. 1 grade and should be planted early.

All Roses are shipped via express from Western Springs, Ill., or may be shipped via parcel post if postage is sent. Allow 1 lb. for each plant. See order blank for postage rates. (No Roses are shipped c.o.d.).

★ Indicates outstanding garden varieties.

Price of the following fourteen varieties:

Dormant Roses, \$1.50; 3 of one kind for \$4.25

***Christopher Stone.** Produces quantities of brilliant, velvety scarlet blooms all season. Delicious fragrance.

***Duquesa de Penaranda.** This glorious Rose produces two distinct types of flowers. In summer the splendid blooms are of a coppery apricot color; in autumn a luscious cinnamon-peach color.

***Etoile de Hollande.** A brilliant dark red Rose of magnificent size and perfect form. Flowers deliciously fragrant.

***Girona.** Here is one of the most fragrant Roses in existence and one of the best of all garden Roses for cutting. Very strong growing, with good foliage, and superb blooms of a beautiful red and yellow combination.

***McGredy's Ivory.** "The perfect white rose." Its long pointed, perfectly shaped, ivory-white buds open into magnificent blooms of breath-taking loveliness. The plants are vigorous, have good foliage and produce quantities of long-lasting, moderately fragrant, perfect roses.

Pearl Harbor—"The Memory Rose." (Patent 637). A plant of tremendous vigor that will grow and bloom freely under most adverse conditions. The buds are exceptionally long and pointed. The upper surface of the petals is a delicate shade of shell-pink, shaded golden-bronze at the base. The outer, or reverse side of the petals is vivid Tyrian-rose. The plants are practically thornless.

***Picture.** This is one of the loveliest of all pink Roses, every flower being a perfect picture in color and form. The nicely formed buds open into medium-sized flowers of velvety rose-pink with a warm salmon undertone. A splendid cutting Rose that produces quantities of fragrant bloom.

***Poinsettia.** Here is the Rose that will be the sensation of your garden for it is the most dazzling-red Rose we have ever seen. The buds are ideal in form, long and pointed, and open into large, semi-double, beautiful Poinsettia-scarlet blooms, with large well-shaped petals. The plants are good and the blooms are produced profusely during the whole season.

***President Macia.** A superb variety that really performs. Extra long, pointed buds of rich carmine-pink, opening into great big blooms, often 5 inches across, of soft flesh-pink, brightened by a yellow flush at the base.

Sister Therese. One of the most dependable of the yellow Roses. The long pointed buds, streaked with a rich carmine, are perfectly shaped. The full blooms are a beautiful clear chrome yellow and are borne on the plants in candelabras; sweetbrier fragrance.

***Snowbird.** The long pointed buds open into full double, high centered, very fragrant snow-white blooms. Leathery foliage; compact bushy growth; profuse bloom.

***Sterling.** (Patent No. 21). Here is a new Rose that is just about perfect. The flowers are a beautiful clear pink with orange base; bud pointed and very lasting when cut. It is a vigorous grower, has disease-resistant foliage, and it blooms and blooms.

***The Doctor.** The most glorious pink Rose we have ever seen. The buds are long and pointed and expand to simply enormous blooms of beautiful, glowing rosy pink. Intensely fragrant; excellent for cutting.

Will Rogers. (Patent No. 256). This Rose is one of the finest of velvety reds. In color it is a black crimson-maroon and holds well. Very vigorous and has a really intense old rose fragrance. It bears quantities of flowers throughout the season. Does best in semi-shade.

Special Offer No. 98A One each of Girona, Picture, Poinsettia and Sister Therese, (value \$6.00) for \$5.50.

Hardy Hybrid Tea and Climbing Roses

CHOICE EVERBLOOMING HYBRID TEA ROSES

Dormant Roses, \$1.35; 3 of one kind for \$3.85.

★**Betty Uprichard.** "If I had room for only one Rose in my garden, it would be Betty Uprichard"—such is the enthusiasm of one great Rose lover for this vigorous, very fragrant Rose. Pointed copper-red buds, opening, reveal petals of soft salmon-pink which, in full bloom, contrast prettily with a reverse of orange-carmine.

★**Condesa de Sastago.** A spectacular Rose with cupped flowers of orange-scarlet on the inside, yellow on the reverse.

★**Cynthia.** A Superb variety with exceptionally well-formed buds on stiff stems that open into full double flowers of a rich glowing oriental red or brilliant carmine.

★**Dainty Bess.** We consider these exquisite flowers of delicate rose-pink, with contrasting center of wine-red stamens, the finest of all the single Roses. The flowers are 3 to 4 inches across and come continuously in clusters.

Editor McFarland. Perfectly formed lasting, brilliant rose-pink flowers, excellent for cutting. Vigorous grower, healthy foliage; abundant fragrant bloom.

★**Golden Dawn.** Noted for its quantity of bloom and considered the finest light yellow garden Rose. Buds lemon yellow, splashed with carmine, open to great big fragrant blooms of pale straw yellow. Bushy, vigorous.

Gruss an Teplitz. Rich scarlet shading to crimson, very fragrant. A vigorous grower and in bloom all the time. One of the best outdoor bedding varieties. Very hardy.

Joanna Hill. One of our most popular Roses and the best of its color. Rich cream and ivory with a yellow-orange heart. A long-lasting cut flower of fine form.

Kaiserin Auguste Viktoria. Creamy buds developing slowly to snowy white blooms of perfect form.

★**McGredy's Scarlet.** A Rose with the McGredy name is always a top-notch and this one is no exception. Its perfectly formed flowers of vivid rose-red come on long stems and are excellent for cutting.

★**McGredy's Yellow.** Beautifully formed buds of pure, light butter-cup yellow; open flowers cup-shaped.

★**Mme. Butterfly.** This Rose should be in every collection, large or small. Time has proved its dependability and endeared it to the hearts of all. Light pink petals with deep shadings of apricot and gold at its heart and petal tips of ivory white.

★**Mme. Jules Bouche.** Long, pointed, shapely buds, excellent for cutting, opening into superb white flowers, slightly shaded at times with bluish pink; fragrant. Plant exceptionally strong and continuously in bloom.

★**Mrs. Charles Bell (Shell-Pink Radiance).** An exquisite shade of salmon-shell-pink that is not found in any other Rose. Has delicious fragrance and all the excellent qualities of Radiance.

★**Mrs. Erskine Pembroke Thom.** An unfading yellow with dark, healthy foliage. Slender buds open to perfectly shaped flowers of canary yellow.

Mrs. Pierre S. DuPont. One of the most continuously blooming Roses grown. Long pointed, reddish gold buds opening into exquisitely formed flowers of dark golden yellow. Compact bushes with glossy foliage.

Peter's Briarcliff. Long pointed buds and large, high centered flowers of deep rose-pink passing to a lighter shade on outer petals. Fragrant. Almost thornless; fine for cutting.

Pink Dawn. Full, double flowers of glistening rose-pink, changing to soft pink with a gold base. Buds are extra long.

President Herbert Hoover. Its deep copper-red buds open slowly to a wonderful blend which can only be described as multi-colored, with a dominance of cerise-pink and rich cream veined with scarlet. Superb buds; large flowers, lasting well; long stems.

★**Radiance.** Large, full, deliciously fragrant blooms of brilliant rosy carmine, shaded with pink. Constant bloomer and excellent keeper in hot weather. Easy to grow and one of the most popular Roses in America.

★**Red Radiance.** Flowers clear cerise-red. Size, foliage, growth and habit same as in the parent Radiance. Hardy; strong grower.



HEART'S DESIRE

★**Southport.** Fine flowers of an exceedingly brilliant scarlet which is unaffected by the weather. Very showy, probably the most brilliant of all scarlet Roses. Produces more flowers than any other Hybrid Tea Rose in our collection.

Talisman. A remarkable blending of gold, apricot, yellow, deep pink, and old rose. The rose of many Gold Medals and one of the most popular of all roses for cutting.

Special Offer No. 99 One each of Everblooming Hybrid Tea Roses, labeled, worth \$1.35 to \$1.50 each: 5 Roses, our selection, for \$6.00. 10 Roses, our selection, for \$11.50.

FLORIBUNDA ROSES

These Roses are among the hardiest and most continuous blooming hybrids offered, giving a spectacular and permanent display from June until frost. Their flowers are borne in clusters.

Price, except where noted.

Dormant Roses, \$1.35; 3 of one kind for \$3.85

Cheerio. Superb variety with brilliant double flowers of clear mallow pink shading to Tyrian rose at the base of the petals with reverse or outside a luminous rose-madder. \$1.50.

★**Dagmar Spath (White Lafayette).** Large of pure white semi-double flowers, produced freely all summer. Excellent for cutting.

Else Poulsen. Semi-double, lasting bright rose-pink flowers of medium size in clusters on bushy, erect growing plants. Very showy.

★**Floradora.** AARS 1945 (Patent Pending). Spectacular profuse-blooming new Floribunda of bright Cinnabar with shades of scarlet and geranium red. \$1.50; 3 for \$4.25.

★**Improved Lafayette.** An unusually prolific large flowering variety; very showy and fine for mass plantings. Flowers deep brilliant red, richly suffused crimson.

★**Pink Gruss an Aachen.** Large, very double, deep salmon-pink blooms like a hybrid tea rose. Ideal for bedding; produces a constant mass of bloom.

Pinocchio. (Pat. 484) Profuse bloomer in immense clusters with delightful flowers of a changeable two-tone pink color. Buds long and pointed; open flowers like miniature hybrid teas. Excellent for cut-flower arrangements. \$1.50; 3 for \$4.25.

★**Rosenelfe.** Unusually beautiful, silvery rose-pink flowers of Gardenia-like form. They are very double, about 2½ inches across, and are produced freely all summer. \$1.50; 3 for \$4.25.

Sunmist. Graceful, pointed buds opening into large, well-rounded flowers of a clear light sulphur yellow shading to mellow canary yellow toward the base of the petals. \$1.50

World's Fair. (Patent No. 362.) Large clusters of velvety, black-scarlet flowers, nearly 4 inches across, with 18 to 20 petals. Blooms continuously; fragrant. \$1.50; 3 for \$4.25.

Special Offer No. 99A One each of Dagmar Spath Improved Lafayette and Rosenelfe, 3 dormant plants. (Value, \$4.20) for \$3.75.

HYBRID PERPETUAL JUNE ROSES

Dormant Roses, \$1.35; 3 of one kind for \$3.85.

★**Frau Karl Druschki.** (White American Beauty). Pure white, long, immense buds; double flowers. Blooms all the time.

Harrison's Yellow. (Austrian Briar). This is the hardy yellow rose of olden times. Deep golden yellow and semi-double.

Henry Nevard. Unusually fragrant crimson-scarlet flowers of fine form. An improved American Beauty; blooms freely.

★**Mrs. John Laing.** Beautifully formed, extremely fragrant flowers of clear pink on strong stems.

CLIMBING ROSES

Attention is invited to the many types of climbing Roses in our list. New varieties are creating greater interest in climbers. Many varieties are quite hardy but we advise winter protection.

Price of the following six varieties:

Dormant, \$1.35; 3 of one kind for \$3.85.

Bonfire. Best red rambler. Many heavy trusses of small double dazzling scarlet flowers in large clusters of 20 to 25 blooms.

Climbing American Beauty. A free-climber. Rosy crimson flowers, 3 to 4 inches across, produced freely in June and occasionally throughout the season.

Mary Wallace. Well formed, semi-double flowers of a bright clear rose-pink with salmon base. Flowers, generally 4 inches in diam.

Paul's Scarlet Climber. A most important addition to the Climbing Roses; none can compare with it for brilliancy of color, which is a vivid scarlet. A strong climber.

Primrose. A pure yellow, hardy climbing Rose. Its large, double flowers are a soft, rich primrose yellow, and are borne in clusters of 4 and 5 on an extremely vigorous plant.

Silver Moon. Beautiful, fragrant, semi-double flowers four and a half inches and over in diameter. Creamy white petals.

NEW PATENTED CLIMBING ROSES

Blaze. (Patent No. 10.) A marvelous, scarlet-red Rose, combining the bloom and growth of Paul's Scarlet Climber with everblooming character. Blooms are double, often 4 inches in diameter. Gives a fine display in June and then blooms again in the fall. \$1.65, 3 for \$4.50.

Climbing Break O'Day. (Prop. rights reserved.) Vigorous everblooming climber, with large, very double flowers of orange-apricot shaded with lighter tints. \$2.00.

Golden Glow. (Pat. No. 263.) The pure specimen yellow flowers of Hybrid Tea type and good China tea fragrance, are 3½ to 5 inches across and are produced on stiff stems, 1 to 15 or more, over a long period. The color is practically fadeless and the flowers literally cover the plants, making a wonderful display. Vigorous grower; hardy. \$1.50; 3 for \$4.25.

Meda. (Pat. 518). Large-flowered Climber with beautiful flowers of perfect Hybrid Tea form that come singly or in clusters of 3 on long stems, perfect for cutting. They measure 3½ to 4 inches across and in color are a beautiful buff-shrimp-pink shading to rose-pink in center. Substance is wonderful and fragrance delightful. \$2.50.

Orange Overglow. (Pat. 505). New hardy, everblooming climber featuring beauty, fragrance and vigor. Color dazzling coppery orange. \$2.00.

The New Dawn. (The Hardy Everblooming Dr. Van Fleet). Patent No. 1. The first patented Rose and the first everblooming climbing Rose. A sport from Dr. Van Fleet, having same habit of growth. The delicate flesh pink flowers are fragrant and bloom all summer and fall. \$2.00.

MINIATURE ROSES

These are hardy everblooming roses growing only 6 to 8 inches high. We offer 3 inch potted plants.

Midget. (Pat. 466). The tiniest rose-red, fully double Miniature Rose. Almost thornless. Each, 85c; 3 for \$2.25.

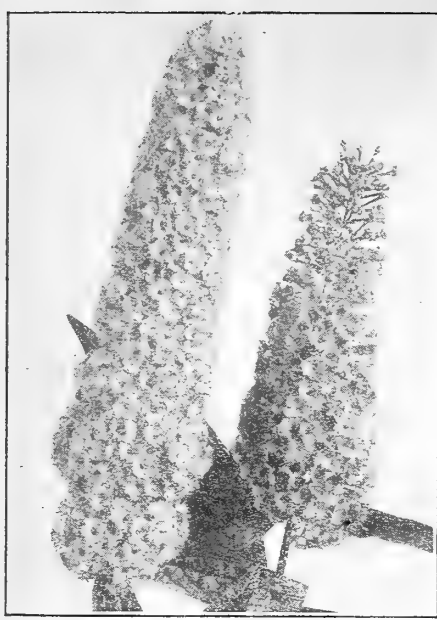
Pixie. (Pat. 408). The world's tiniest double white Rose. Each, 85c; 3 for \$2.25.

Rouletti. Double flowers of dark rose-pink. Fine for edging. Each, 75c; 3 for \$2.00.

Special Offer No. 99C. One each of the above 3 Miniature Roses for \$2.25. (Postage 15c additional).

A Good Growing Tip

As soon as dormant Roses are properly pruned and planted, hill them up with 3 or 4 inches of moist soil. This keeps the wind from drying the plants and helps them to leaf out more quickly. Remove soil gradually as plants begin growing.



BUDDLEIA (Butterfly Bush)

All Prices Are F. O. B. Our Nurseries, Western Springs, Ill.

The figures in italics following each variety indicate in feet the average height of the plant at maturity. B. & B. indicates "Balled and Burlapped." (No Nursery Stock Shipped C. O. D.)

ALMOND (Prunus)

Flowering Almond (*Prunus Glandulosa*). 4 to 6 ft. These bushy shrubs never fail to produce in early spring, before the leaves appear, a profusion of small very double white or pink, rose-like flowers that are closely set along the branches.

Double Pink. 2 to 3 ft., \$1.50; 3 for \$4.00.

BARBERRY (Berberis)

Green Leaved Barberry (*B. Thunbergii*). 4 ft. Popular hedge plant. Scarlet berries in fall and winter. 18 to 24 in., 75c; 3, \$2.10; 10, \$6.50; 100, \$55.00.

Mentor Barberry (*B. Mentorensis*). 3 ft. (Patent No. 99). It is extremely hardy and is able to withstand intense heat and drought without wilting or burning. Its foliage is heavy and thick and remains green until after the holidays. 18 to 24 in., \$1.00; 3, \$2.75; 10, \$7.50; 100, \$60.00.

Red-Leaved Barberry (*B. Thun. Atropurpurea*). 4 ft. The foliage is a rich, bronzy red all summer. Plant in full sun to develop its coloring. 18 to 24 in., \$1.00; 3, \$2.75; 10, \$8.50.

Truehedge Columnberry (*B. Thun. Erecta*). (Patent No. 110). 4 to 5 ft. Of distinct pyramidal habit it may be used for formal hedge or individual specimens without pruning. 18 to 24 in., \$1.00; 3, \$2.75; 10, \$8.50; 25, \$18.75; 100, \$70.00.

BEAUTY BUSH (*Kolkwitzia Amabilis*) 6 to 8 ft. A graceful shrub that is well named, for it is one of the most beautiful in our Nursery. It makes a wonderful showing in June when its long arching branches are usually completely covered with masses of pink snapdragon-like flowers. A hardy and reliable shrub for better home and landscape plantings. 2 to 3 ft., \$1.35; 3, \$3.75; 3 to 4 ft., \$1.75; 3, \$4.75.

BIRCH (Betula)

European White Birch (*B. Alba*). 30-40 ft. Of very upright habit with beautiful white bark. Foliage small and finely toothed. 8 to 10 ft., \$5.50. Clumps: 4 to 5 ft., \$4.00; 5 to 6 ft., \$5.00.

Cut-Leaved Weeping Birch (*B. Pendula Gracilis*). 30-40 ft. An unusually graceful drooping tree, with deeply cut foliage and silvery white bark at maturity. 6 to 7 ft., \$5.00; 7 to 8 ft., \$6.00; 8 to 10 ft., \$7.00.

HYBRID BLUEBERRIES

State Bars shipment into Michigan.

Highly Ornamental Plants—Delicious Fruits. 3 to 5 ft. Beautiful all year. The foliage is a deep, rich green in summer, turning to a beautiful crimson in fall, and all winter the twigs are bright red. Excellent for planting with Evergreens or Broad-leaved Evergreens, as they require an acid soil. Large clusters of beautiful blue fruits, plump, meaty, tender and practically seedless. Flowers are not self-fertile and therefore we only sell 3 or more plants to a customer so that we can supply more than one variety. Price, 2-year clumps, B & B. 3 for \$6.00; 5 for \$9.50.

Flowering Trees and Shrubs

BURNING BUSH (Euonymus)

Winged Burning Bush (*E. Alatus*). 6 to 8 ft. Bark cork-like and curiously winged; leaves small; fruit red; in autumn, foliage bright red. One of our best shrubs for specimen plantings and for growing in shady locations. 2 to 3 ft., \$2.00; 3, \$5.25; 3 to 4 ft., \$2.50; 3, \$7.00.

Dwarf Burning Bush (*E. Alatus Compacta*). 4 to 6 ft. A compact form of the above. 2 to 2½ ft., \$2.95; 3, \$8.25; 2½ to 3 ft., \$3.50; 3, \$9.75.

BRIDALWREATH (Spiraea)

5 to 6 ft. One of the most beautiful and useful shrubs. 2 to 3 ft., 75c; 3 for \$2.10; 10 for \$6.50; 3 to 4 ft., 90c; 3, \$2.50; 10, \$7.50.

FOUR NEW BUDDLEIAS (Butterfly Bushes or Summer Lilacs) \$2.95

One each of those listed below.

The long tapering spikes thickly covered with minute tubular flowers of pleasing fragrance bloom during July and continue until frost. Excellent for cut-flowers. The stalks die to the ground each winter but come up vigorously again in the spring.

Charming. 4 ft. A glorious variety, bearing elegant long sprays of lavender-pink blooms. Is decidedly pink in color as compared with other varieties.

Dubonnet. 4 ft. A splendid new color, matching that of the French Dubonnet wine, glowing red in the sun or under artificial light.

Orchid Beauty. 3 to 4 ft. A fine Buddleia having flower heads up to 24 inches in length, broad at the base. Individual florets fringed; color soft cattleya-lilac with brilliant orange eye.

Royal Purple. (New). 3 to 4 ft. One of the loveliest of all the Buddleias, with very shapely, extra long, full spikes of bloom that are a brilliant, glowing red-purple in color.

Prices of above, field grown, each. \$1.00; 3 for \$2.85.

BUSH CHERRIES (Prunus)

Hansen's Improved Bush Cherry (*P. Besseyi*). 4 to 5 ft. Hardy, quick-bearing cherry. Fruit resembles a small plum, massed in clusters from the ground up; good to eat fresh and for preserves. Plant very ornamental, fragrant white flowers in spring and beautiful silvery green foliage which turns rich red and gold in fall. 2 to 3 ft., 90c; 3, \$2.50; 10, \$8.00.

New Nanking Cherries (*Pr. Tomentosa*). 5 to 6 ft. Excellent shrubs that have beautiful foliage and bloom and bear loads of delicious fruits. In early spring the sturdy plants are covered with a mass of bloom and in July are covered with ropes of red cherry-like fruits that are excellent for eating out of hand, for canning or for jelly. Very hardy. Plants are offered in lots of 2 or more to insure pollination. 2 to 3 ft., grafted, 2 for \$2.95; 4 for \$5.75.

BRILLIANT CHOKEBERRY

Aronia Brilliantissima. 6 to 8 ft. Brilliant red berries in August that remain until winter and bright crimson foliage in fall. 3 to 4 ft., \$1.00; 3, \$2.85.

COTONEASTER

Peking Cotoneaster (*Acutifolia*). 5 to 10 ft. Small leathery leaves of rich glossy green, jet black berries in fall. Extremely hardy, it makes one of our finest hedges. Can be trimmed like Privet. 18 to 24 in., 75c; 3, \$1.95; 10, \$6.50; 100, \$50.00; 2 to 3 ft., 90c; 3, \$2.50; 10, \$7.50; 100, \$65.00; 3 to 4 ft., \$1.00; 3, \$2.70; 10, \$8.50.

CRAB, FLOWERING (Malus)

Bechtel's Double-Flowering Crab (*M. loensis Bechteli*). 10 to 15 ft. Trees of medium size are covered in early spring with large, beautiful, double fragrant flowers resembling small roses of a delicate pink. 3 to 4 ft., \$2.75; 4 to 5 ft., \$3.75.

Eleyi Crab (*M. Eleyi*). 10 to 15 ft. Red foliage in spring later turning to bronze green. Produces clusters of wine red flowers and fruits of a dark red color. 4 to 5 ft., \$2.75; 3, \$7.75.

Rose Flowering Crab (*M. Hops*). 15 to 20 ft. Very hardy and one of the most beautiful of all flowering trees. Produces quantities of very large, deep rose-colored flowers followed by large edible fruits; distinctly red fleshed. 4 to 5 ft., \$2.75.

CRANBERRYBUSH (Viburnum)

European Cranberrybush (*V. Opulus*). 10 ft. Showy, cranberry-like berries in fall and early winter. 2 to 3 ft., \$1.00; 3, \$2.75; 10, \$8.50; 3 to 4 ft., \$1.25; 3, \$3.60; 10, \$10.00; 4 to 5 ft., \$1.50.

FIREBUSH OR FLOWERING QUINCE

Cydonia Japonica. 4 to 5 ft. Brilliant orange-scarlet flowers in April, followed by yellowish green, quince-shaped, fragrant fruits. 18 to 24 in., \$1.10. 3 for \$2.95; 10 for \$9.00.

DOGWOOD (Cornus)

Redtwig Dogwood (*C. Alba Sibirica*). 6 to 10 ft. Bright coral-red branches. 3 to 4 ft., \$1.10; 3, \$2.95; 4 to 5 ft., \$1.25; 3, \$3.30.

Goldentwig Dogwood (*C. Stol. Flaviramea*). 6 to 10 ft. Attractive golden yellow bark. 3 to 4 ft., \$1.10; 3, \$2.95; 4 to 5 ft., \$1.25; 3 for \$3.30.

Pink Flowering Dogwood (*C. Florida Rubra*). 15 ft. A small, upright tree that produces large deep rose-colored flowers in early spring. Very showy. 2 to 3 ft., B. & B., \$6.00; 3 to 4 ft., B. & B., \$7.50.

White-flowering Dogwood (*C. Florida*). 15 to 20 ft. Masses of large, single white flowers in May. 4 to 5 ft., B. & B., \$6.00.

CHINESE ELM HEDGING

Ulmus Pumila. It forms a beautiful, dense, impenetrable hedge with small dark green foliage. It can be kept low-growing and clipped, or can be used where immediate screening effects are desired. For hedge purposes, plant seedlings 12 to 18 inches apart. 2 to 3 ft. seedlings, not transplanted, 10, \$2.00; 50, \$7.50; 100, \$13.50.

ELM (Ulmus)

American Elm. 80 to 100 ft. Popular native tree with broad arching branches; foliage dark green.

American Elm, Moline Type. 80 to 100 ft. Exceedingly large foliage. Of upright habit. Splendid tree for the street or for small yards.

American Elm, Vase Type. 80 to 100 ft. A true vase-shaped tree.

Chinese or Siberian Elm (*U. Pumila*). 75 ft. On account of its rapid growth, resistance to disease and ability to thrive in almost any situation, this is one of the most popular trees in America.

(Prices of the above 4 Elm Trees as follows:)

Height	Caliper	Each	3 for
8 to 10 ft.	1 to 1½ inch	\$3.75	\$10.50
8 to 10 ft.	1½ to 1¾ inch	4.50	12.75
10 to 12 ft.	1¾ to 1½ inch	5.00	14.25
10 to 12 ft.	1½ to 2 inch	5.50	15.45

Larger sizes, prices on application.

FRINGETREE

White Fringetree (*Chionanthus Virginica*). 9 to 15 ft. In late May or early June a thick white mist of pendant fringe-like flowers, mixing with large leathery leaves, present a unique sight. Valued as a lawn specimen. 3 to 4 ft., \$1.75.

GOLDEN BELL (Forsythia)

Korean Golden Bell (*F. Ovata*). 5 to 6 ft. Extremely hardy and very early. The flowers are pale primrose-yellow. 2 to 3 ft., \$1.00; 3 for \$2.85.

Showy Border Golden Bell (*Forsythia Intermedia Spectabilis*). 6 to 8 ft. Its large, rich, yellow blossoms completely cover the wide spreading branches in early spring. 3 to 4 ft., \$1.25; 3, \$3.60; 10, \$11.00; 4 to 5 ft., \$1.50; 3, \$4.20.

Spring Glory. 5 to 8 ft. The loveliest of all Golden Bells and the most prolific, its attractive large pale yellow flowers completely covering the bushes in early spring. 2 to 3 ft., \$1.50; 3, \$4.00.

HAWTHORN (Crataegus)

Paul's Double Scarlet Hawthorn (*C. Oxyacantha Splendens*). 12 to 15 ft. Very showy blossoms of bright scarlet color, large, full and very double. 4 to 5 ft., \$4.00; 3, \$11.25.

HONEYLOCUST (Gleditsia)

Thornless Honeylocust (*G. Triacanthos Inermis*). 50 to 70 ft. A large, vigorous tree with spreading branches, thornless or nearly so, and handsome feathery fern-like leaves. Good for yard or street planting and will withstand the dust and smoke of a city well. Thrives in any soil and will endure drought. 8 to 10 ft., 1 to 1½ in. caliper, \$3.00; 8 to 10 ft., 1½ to 1¾ in. caliper, \$4.00; 8 to 10 ft., 1¾ to 1½ in. caliper, \$4.75.

HONEYSUCKLE (Lonicera)

Manchurian Honeysuckle (*L. Ruprechtiana*). 8 to 10 ft. Creamy-white flowers followed by orange-red fruit. 3 to 4 ft., 80c; 3, \$2.10; 10, \$6.50; 4 to 5 ft., \$1.00; 3, \$2.70; 10, \$8.50.

Tatarian Honeysuckle. 9 to 10 ft. One of our best shrubs for screen and border plantings.

Pink or Red. 3 to 4 ft., 90c; 3, 2.40; 10, \$7.50; 4 to 5 ft., \$1.10; 3, \$2.95; 10, \$9.00.

Zabel Red H. (*L. Korolkowi Zabeli*). 10 ft. A dense upright growing shrub. This variety produces a grand display of red flowers in spring followed by red fruits in summer. It is probably the darkest colored bush honeysuckle. 2 to 3 ft., \$1.00; 3, \$2.70; 10, \$8.50; 4 to 5 ft., \$1.50; 3, \$4.20.

for the Home Landscape

HYDRANGEA

Blue Hydrangea. 2 ft. Blooms of deep and intense blue last for a long time in late summer. Will grow in sun or light shade. Protect during winter in colder climates. Use a little alum when planting to assure the best color. 2 yr., \$1.95; 3, \$5.25.

Peegee Hydrangea (H. Paniculata Grandiflora). 8 to 10 ft. Immense panicles of bloom a foot long, white turning to rose, commencing to bloom in August. 18 to 24 in., \$1.10; 3, \$2.95; 10, \$9.00.

Snowball Hydrangea (H. Arborescens Grandiflora). 4 ft. Large, flat heads of snow-white flowers in June and July. Thrives in shade. 18 to 24 in., \$1.35; 3 for \$3.75.

LILAC SPECIES

Common Purple Lilac (Syringa Vulg. Purpurea). 12 to 15 ft. The old-fashioned Lilac. It is hardy and vigorous, endures neglect and blooms abundantly. Purple flowers early in May. 18 to 24 in., 80c; 3 for \$2.10; 2 to 3 ft., \$1.00; 3, \$2.75; 10, \$8.50; 3 to 4 ft., \$1.25; 3, \$3.60.

Persian Purple (Syringa Persica). 8 to 10 ft. The most graceful and freely flowering of the Lilacs, with purple-lavender flowers, in loose panicles. 2 to 3 ft., \$1.00; 3, \$2.75; 10, \$8.50; 3 to 4 ft., \$1.35; 3, \$3.75.

Lilac (Syringa Japonica). 15 to 20 ft. The last of the Lilacs to bloom, bearing its small creamy-white flowers in upright clusters from 12 to 18 inches long in June and July. 3 to 4 ft., \$1.50; 3, \$4.00.

FRENCH HYBRID LILACS (Syringa)

A Choice Selection of "Own-Root" Plants.

De Mirabel. Large single flowers of very dark bluish violet. Dwarf. 18 to 24 in., \$2.50.

Lucie Baltet. Buds coppery old rose; flowers flesh-pink. A beautiful single 2 to 3 ft., \$3.00.

Ludwig Spaeth. Immense clusters of single, deep purplish-red flowers. 18 to 24 in., \$2.25.

Miss Ellen Willmott. Very fine double white; immense panicles. 18 to 24 in., \$2.50.

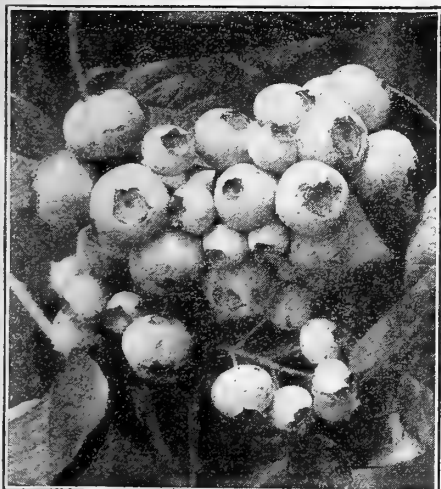
Mrs. Edward Harding. Big showy panicles of large, full-double flowers of bright carmine. 2 to 3 ft., \$3.00.

MAGNOLIA

Lenne Magnolia (M. Soulangeana Lennei). 20 ft. Similar to the Saucer Magnolia, except its flowers are deep crimson on the outside and it blooms 2 weeks later. 2 to 3 ft., B & B, \$9.00; 3 to 4 ft., B & B, \$12.00; 4 to 5 ft., \$15.00.

Saucer Magnolia (M. Soulangeana). 20 ft. Flowers come before the long glossy leaves, and are 3 to 5 inches across, cup-shaped, rosy pink when in bud. A full-sized tree is a bouquet of thousands of showy flowers, not surpassed by any other tree in effectiveness. 3 to 4 ft., B & B, \$12.00; 4 to 5 ft., B & B, \$15.00.

Star Magnolia (M. Stellata). 12 ft. The first Magnolia to blossom. No plant flowers more freely, and in early spring its semi-double, snow-white flowers of starry form appear in countless numbers and attract attention on all sides. 18 to 24 in., B & B, \$10.00; 2 to 2½ ft., B & B, \$12.50.



HYBRID BLUEBERRIES

MOUNTAIN ASH (Sorbus)

European Mountain Ash (S. Aucuparia). 25 to 30 ft. A handsome tree with compound leaves of dark green turning to a golden yellow in autumn. The white flowers are followed in fall by large clusters of bright red berries. 8 to 10 ft., \$4.50.

Oakleaf Mountain Ash (S. Quercifolia). 20 to 25 ft. Upright, rather pyramidal tree with attractive foliage and berries. 8 to 10 ft., \$4.50.

MAPLE (Acer)

Columnar Norway Maple (Acer Platanoides Columnare). 50-60 ft. Compact columnar form of the Norway Maple. 8 to 9 ft., \$5.50; 8 to 10 ft., 1 to 1½ in. caliper, \$6.50; 8 to 10 ft., 1½ to 1¾ in. caliper, \$9.00.

Norway Maple (Acer Platanoides). 50 to 75 ft. A large and handsome tree with spreading branches, and compact, round head. Broad, dark green foliage, fading with tones of yellow and gold in autumn. 8 to 10 ft. 1 to 1¼ in. caliper, \$5.00; 3, \$14.25; 8 to 10 ft. 1¼ to 1½ in. caliper, \$6.50; 3, \$18.45; 10 to 12 ft. 1½ to 1¾ in. caliper, \$7.50. Larger sizes, prices on application.

Schwedler Maple (Acer Platanoides Schwedleri). 40 to 60 ft. Gleaming red and purple leaves in spring, changing to dark green during summer. 8 to 10 ft., \$5.00.

MOCK ORANGE (Philadelphus)

Lemoine. 4 to 5 ft. Single, creamy white, fragrant flowers. 2 to 3 ft., \$1.10; 3 for \$2.95.

Common Mock Orange. 7 to 10 ft. The free flowering single white found in the old-fashioned gardens of rapid growth, forming a large bush. 3 to 4 ft., \$1.10; 3, \$2.95; 10, \$9.00; 4 to 5 ft., \$1.25; 3, \$3.60; 10, \$11.00.

Innocence. 5 ft. Long arched branches carrying a wealth of large single flowers of the purest white assuming the appearance of snowy sheaves of bloom. 4 to 5 ft., \$2.00; 3 for \$5.25.

Virginalis. 7 to 8 ft. One of the most beautiful shrubs grown. In June the plants appear as a huge bouquet, being completely covered with extra large, single and semi-double flowers that are pure white and sweet-scented. It has a long blooming season, the new wood producing large individual flowers often 3 inches across, throughout the summer. 2 to 3 ft., \$1.50; 3 for \$4.20; 3 to 4 ft., \$1.75; 3, \$4.80.

DWARF NINEBARK

Physocarpus Monogynus. 5 ft. One of our finest low-growing hedge plants. Of dense, upright growth, it requires little shearing. The leaves are small, three to five lobed, and in color are a dark, glossy green. Ideal for growing in shady places or in full sun. 2 to 3 ft., 75c; 3, \$1.95; 10, \$6.00.

PRIVET HEDGE (Ligustrum)

Amur Privet (L. Amurensis). 12 ft. One of the best hardy hedge plants. May be sheared to any extent. 18 to 24 in., 10, \$3.00; 100, \$25.00.

PLUM (Prunus)

Double Flowering Plum (P. Triloba). 7 to 8 ft. Double flowers of a delicate pink, upwards of an inch in diameter, thickly set on long, slender branches; flowers in May. 2 to 3 ft., \$1.50; 3 to 4 ft., \$2.00.

Newport Purple-Leaf Plum (Prunus Cerasifera Newport). 12 to 15 ft. A small tree shrub. The leaves, when young, are lustrous crimson, changing to a dark purple and retain this beautiful tint until they drop, late in autumn. The tree is covered early in spring with small, single pink flowers, which appear before the leaves. 2 to 3 ft., \$1.75.

ROSE OF SHARON

Hibiscus Syriacus or Shrubalthea. 6 to 12 ft. An upright shrub, blooming in August and September. The flowers resemble those of the hollyhock, and are very showy. Double pink, purple, or red. 3 to 4 ft., \$1.10; 3, \$2.95.

HYBRID RUGOSA ROSES

Hansa. 5 to 6 ft. Double, reddish-violet flowers of large size, freely produced. Very sweet scented. 2 year, \$1.35; 3, \$3.75.

F. J. Grootendorst. 5 to 6 ft. The flowers are bright red, beautifully fringed, and produced in clusters. It blooms from early summer until frost. 2 year, \$1.50; 3 \$4.25.

Pink Grootendorst. 5 to 6 ft. A variety similar in every way to the F. J. Grootendorst except that the flowers are a clear pink. 2 year, \$1.50

GOLDEN ROSE OF CHINA

Rosa Hugonis. 6 ft. Excellent hardy rose that makes a spectacular show when its long arching branches are thickly set with lovely single yellow flowers in May. 2 yr., \$1.50; 3, \$4.25.

Gardenia-scented Snowball (Viburnum Burkwodi). 5 ft. This new garden aristocrat is fast growing, semi-evergreen and bears its very fragrant, waxy, pinkish-white flowers in round, domed clusters in early spring. Foliage is rich, glossy green, brilliantly tinted in autumn. 18 to 24 in., \$3.00.

Old-Fashioned Snowball (V. Opulus Sterile). 8 to 10 ft. Large balls of white flowers in May. 3 to 4 ft., \$1.35; 3, \$3.75; 4 to 5 ft., \$1.75.

SNOWGARLAND

Spiraea Arguta Multiflora. 4 to 5 ft. Showy shrub with leaves of narrow, bright green, fading with tones of yellow and orange in fall. Flowers are small, pure white, and are borne in early spring in such profusion that the whole shrub appears laden with snow. 2 to 3 ft., 90c; 3, \$2.40; 10, \$7.50; 3 to 4 ft., \$1.00; 3, \$2.70; 10, \$8.50.

EVERBLOOMING SPIRAEA

Spiraea Froebeli. 3 ft. Round, flat clusters of rosy-pink flowers from June to October. Beautiful foliage all season. One of our best low growing shrubs for general use and for flowering hedges. 18 to 24 in., 90c; 3, \$2.55; 10, \$8.00; 24 to 30 in., \$1.00; 3, \$2.75; 10, \$8.50.

Spiraea Anthony Waterer. 2½ ft. Flat clusters of rosy-crimson flowers throughout the summer and fall. 18 to 24 in., \$1.00; 3, \$2.75; 10, \$8.50.

SWEET SHRUB

Calycanthus Floridus. 3 to 6 ft. This is a desirable shrub for the old-fashioned garden and it will thrive in partial shade. The wood is fragrant and the flowers are of a rare chocolate color and have a pineapple fragrance. They bloom in June and throughout the summer. 18 to 24 in., \$1.10.

TAMARIX

Hispida Aestivalis. 8 to 10 ft. Magnificent variety with pink flower spikes that appear all during the summer. Feathery grey-green foliage. To get the best results, Tamarix should be cut to the ground when planted. 2 to 3 ft., \$1.00; 3 for \$2.75.

WILLOW (Salix)

French Pussy Willow (S. Caprea). 10 to 15 ft. Small tree or large shrub with handsome fur-like catkins which appear in early spring before the leaves. 3 to 4 ft., \$1.25; 3 for \$3.60.

Niobe Weeping Willow (S. Niobe). 30 to 40 ft. Wavy, bright green foliage borne on slender, pendent branches. 8 to 10 ft., \$3.75.

WINTERCREEPER (Euonymus)

Bigleaf Wintercreeper (Euonymus Radicans Vegetus). This hardy evergreen trailer has round leaves, and is sometimes called "Evergreen Bittersweet" on account of its gorgeous red berries, which are resplendent all winter against a rich deep evergreen foliage. Makes a useful ground cover or will climb on brick or stone. 15 to 18 in., \$2.00; 3, \$5.50; 18 to 24 in., \$2.50; 3, \$6.75.

WITCHHAZEL (Hamamelis)

Common Witchhazel (H. Virginica). 10 to 12 ft. Singular bright yellow flowers in late fall, often after the leaves have fallen. 3 to 4 ft., \$1.50; 3, \$4.20; 4 to 5 ft., \$2.00.

Winter-Blooming Witchhazel (Hamamelis Vernalis). 5 to 6 ft. Blossoms as early as January and will continue to bloom for a long time, opening during the mild weather and closing when the temperature drops. The flowers come in profusion, have a spicy fragrance, and vary from bright yellow to shades of old gold, reddish brown and maroon. It gives the best results when planted in a sheltered place well open to the winter sun. 2 to 3 ft., \$1.75; 3 to 4 ft., 2.00; 4 to 5 ft., \$2.50.

VITEX MACROPHYLLA

3 to 4 ft. Very attractive shrub with handsome dark green foliage and attractive bright lavender-blue flowers produced from June until frost. 18 to 24 in., \$1.25; 3, \$3.60.

WEIGELA (Diervilla)

Eva Rathke. 4 ft. Flowers brilliant crimson, flowering through the summer. 2 to 3 ft., \$1.35.

Rosea. 6 ft. Very floriferous, producing quantities of large, showy, trumpet-shaped pink flowers in June. 3 to 4 ft., \$1.25; 3, \$3.60.

Vaughan's Nursery Price List

Listing our complete assortment of ornamental shrubs, shade trees, evergreens, small fruits, and fruit trees will be sent free on request. Ready about March 1st.

Hardy Climbing Vines

LARGE-FLOWERING CLEMATIS

Henryi. Pure white flowers, usually eight-petaled, and often 6 to 8 inches in diameter.

Jackmani. This variety, with its strong, healthy growth, hardy nature and rich, deep velvety purple flowers, is the most satisfactory of its class. Blooms with astonishing profusion.

Mme. Edward Andre. Very beautiful bright velvety red, free-flowering and continuous bloomer.

Ramona. An extra good variety that gives plenty of bloom of a distinct shade of light lavender blue. Prices of the above 4 varieties: 2-year, each, \$1.35.

Gold Medal Collection. One each Jackmani, Henryi and Mme. Edward Andre, 2-year for \$3.85.

FIVE FINE NEW CLEMATIS

Comtesse de Bouchaud. Beautiful flowers with gracefully curved petals of satiny rose. Blooms from July to September. Very distinct. 2 yr., \$1.65.

Crimson King. Truly spectacular, bright red flowers that are often 6 to 7 inches in diameter. Blooms from June to September. \$1.65.

Lord Neville. Very dark, velvety blue-purple. Exquisite in color, with petals rich in texture. Has a long blooming season. 2 yr., \$1.65.

Nelly Moser. Beautiful large flowers of pale mauve with a red bar on each petal. Profuse bloom from June to October; vigorous growth. \$1.65.

Prins Hendrik. Of rare orchid-like beauty, with gorgeous azure-blue, ruffled petals, often 7 inches in diameter. Blooms from June until frost. \$1.75.

Deluxe Collection: One each of Comtesse de Bouchaud, Crimson King, and Lord Neville, 2-year, for \$4.75.

VARIOUS SPECIES OF CLEMATIS

Duchess of Albany (New). Vigorous sprays of gorgeous pink trumpet-shaped flowers about 3½ to 4 inches long. Blooms from July to September. Flowers will last two weeks when cut. 2 yr., \$1.75.

Sweet Autumn Clematis (Clematis Paniculata). The flowers are pure white, deliciously fragrant and produced with the greatest freedom in September. The most popular of all the small-flowered vines. 2 yr., \$1.00; 3 for \$2.75.

BITTERSWEET (Celastrus Scandens)

A native climbing or twining plant with handsome large leaves; yellow flowers in May and June and clusters of ornamental orange-capsuled fruit in autumn. Succeeds well in shade. We recommend planting 2 or more in a group. 2 yr., \$1.00; 3 for \$2.50; 3 yr., \$1.25; 3 for \$3.45.

CREEPER (Ampelopsis)

Boston Ivy (Ampelopsis Tricuspidata or Veitchii). The grandest hardy climbing vine in existence for covering houses, churches, schools, etc. Its glossy, ivy leaves overlap each other, and its long delicate young shoots stretch up the walls with free and rapid growth. The tendrils at nearly every point cling firmly to the smoothest surface of rock or brick. 2 year, \$1.00; 3 for \$2.75; doz., \$10.00; 3 year, \$1.25, 3 for \$3.45.

HONEYSUCKLE (Lonicera)

Everblooming Honeysuckle (Lonicera Heckrottii). Remarkable for large size and distinct appearance of its flowers, crimson-carmine without and golden apricot inside. They are very beautiful and fragrant and are in bloom from the middle of June until the coming of frost. 2 yr., \$1.25; 3 for \$3.25.

Hall's Honeysuckle (Lonicera Japonica Halleana). One of the finest of all vines. Almost evergreen, with very fragrant, pure white flowers, changing to yellow, in late summer and fall. 2 yr., 75c; 3 for \$2.00; doz., \$7.50.

CLIMBING HYDRANGEA

Hydrangea Petiolaris. A worth while hardy climber with white, four-petaled flowers in 6 to 8 inch loose clusters in July. Will cling to brick or stone walls. Slow growing when young, but once established, makes a rapid growth. Grows best on north or east sides of buildings. Strong pot-grown plants, \$1.75.

HARDY ENGLISH IVY

Hedera Helix Gracilis. A graceful evergreen vine that has dark green foliage and is identical in habit with the well-known English Ivy, except that it is hardy and has smaller leaves. Succeeds well in shady places and makes an excellent ground cover. 2½ in. pots, each, 75c; 3 for \$1.50; doz., \$5.00.

KUDZU or Jack-and-the-Bean-Stalk Vine

The most remarkable climber extant. In rich soil will grow 70 feet in one season. Starts into growth slowly, but after three or four weeks grows almost beyond belief. Leaves in shape like Lima Bean; dark green; texture soft and woolly. Fine for porches, arbors, old trees, etc. 75c; 3 for \$1.95.

TRUMPET CREEPER

Bignonia Radicans. A robust, tall climber with great leathery trumpet-shaped flowers of brilliant orange-scarlet which last a long time in the summer. Useful wherever a showy flowering vine is desired. Will cling to wood. 2 yr., 75c; 3 for \$1.95.

Bignonia Mme. Galen. A more dwarf form of the above with immense flower clusters, often exceeding 15 inches in length. 2 yr., grafted, \$1.35; 3 for \$3.75.

WISTARIA

Chinese Wistaria (Wistaria Sinensis). Blooms very profusely early in summer; flowers violet-blue in long pendulous clusters. Our plants are propagated from blooming wood. 2 yr., \$1.35.

Pink Wistaria (Wistaria Multijuga Rosea). The queen of the Wistarias. Vigorous growing, with extremely long, full clusters of beautiful pink flowers. No. 1, grafted, \$1.50; 3 for \$4.00.

White Chinese Wistaria (Wistaria Sinensis Alba). Pure white, very fragrant, 2 yr. grafted., \$1.35.

All prices f. o. b. our nurseries,
Western Springs, Ill.

If wanted by Parcel Post, add 10c for 1 plant
20c for 3 plants for postage.

Vaughan's Evergreens

All Prices Are F. O. B. Our Nurseries, Western Springs, Ill.

When Personal Selection of Stock is made, We Charge for According to Its Value.

ARBORVITAE (Thuja)

American Arborvitae (T. Occidentalis). A broad pyramidal tree. 3½ to 4 ft., \$4.50; 4 to 4½ ft., \$6.00; 4½ to 5 ft., \$6.50; 5 to 5½ ft., \$7.00; 5½ to 6 ft., \$7.50.

Globe Arborvitae (T. Occidentalis Globosa). A round, compact form with deep green foliage. 15 in., \$3.00; 18 in., \$3.50; 24 in., \$4.00.

Pyramidal Arborvitae (T. Occidentalis Pyramidalis). A compact, narrow pyramidal tree. 3½ to 4 ft., \$5.75; 4 to 4½ ft., \$6.50; 4½ to 5 ft., \$7.50; 5 to 5½ ft., \$8.50.

JUNIPER (Juniperus)

Andorra Juniper (J. Horizontalis Plumosa). Of prostrate habit; foliage bright green in summer, rich reddish purple in winter. 18 to 24 in., \$5.00; 2 to 2½ ft., \$6.00.

Burk Redcedar (J. Virg. Burki). An improved form of Silver Redcedar. 4½ to 5 ft., \$12.00; 5 to 5½ ft., \$13.50; 5½ to 6 ft., \$15.00.

Canaert Redcedar (J. Virg. Canaerti). Fine Pyramidal form with heavily tufted deep green foliage. 4 to 4½ ft., \$11.50; 4½ to 5 ft., \$12.50; 5 to 5½ ft., \$15.00; 5½ to 6 ft., \$16.00.

Dundee Juniper (J. Virg. Hillii). Dense conical form; bluish gray-green foliage, plum colored in winter. 3½ to 4 ft., \$10.00; 4 to 4½ ft., \$11.00; 4½ to 5 ft., \$12.50.

Keteleer Juniper (J. Chin. Keteleeri). Similar to Canaert Redcedar, but of more open growth and pyramidal habit. 3½ to 4 ft., \$8.50; 4 to 4½ ft., \$9.50; 4½ to 5 ft., \$11.00; 5 to 5½ ft., \$12.50. 5½ to 6 ft., \$14.50.

Pfitzer Juniper (J. Chin. Pfitzeriana). One of the best Junipers. Of broad, bushy growth, with thick, rich green foliage. 15 to 18 in., \$3.75; 18 to 24 in., \$5.00; 2 to 2½ ft., \$6.75; 2½ to 3 ft., \$8.50; 3 to 3½ ft., \$9.50; 3½ to 4 ft., \$10.50.

Redcedar (J. Virginiana). Tall growing, one of the best known evergreens. 4 to 4½ ft., \$7.00; 4½ to 5 ft., \$8.50.

Savin Juniper (J. Sabina). A dwarf evergreen with semi-erect spreading branches. 18 to 24 in., \$4.00.

Silver Redcedar (J. Virg. Glauca). One of our choicest evergreens with attractive blue tinged foliage. 3½ to 4 ft., \$9.50; 4 to 4½ ft., \$11.50; 4½ to 5 ft., \$12.50; 5 to 5½ ft., \$14.00; 5½ to 6 ft., \$16.00; 6 to 6½ ft., \$18.00.



SILVER LACE VINE

Polygonum Auberti. Of strong, vigorous growth, attaining a height of 25 feet or more, producing through the summer and fall great foamy sprays of white flowers that turn rose-colored as they begin to fade, and the combination of white and rose makes an exceedingly pretty picture. 2 yr., \$1.10; 3 for \$3.00.

Von Ehron Savin Juniper (J. Sabina Von Ehron). Semi-spreading; very dark green foliage. 18 to 24 in., \$4.75; 2 to 2½ ft., \$6.00; 2½ to 3 ft., \$6.75; 3 to 3½ ft., \$8.00.

Upright Von Ehron Savin Juniper. An upright form of the above. 3 to 3½ ft., \$8.00; 3½ to 4 ft., \$10.00; 4 to 4½ ft., \$12.00.

PINE (Pinus)

Austrian Pine (P. Nigra). A good tree for city planting. A distinctive variety with stout spreading branches and long rich green needles. 3 to 3½ ft., \$6.50; 3½ to 4 ft., \$7.50; 4 to 4½ ft., \$8.50.

Mugho Pine (P. Mont. Mughus). Good low growing evergreen. 12 in. \$2.25; 15 in., \$3.50; 18 in., \$4.25; 2 ft., \$5.00; 2½ ft., \$6.50.

SPRUCE (Picea)

Black Hill Spruce (P. Canadensis Albertiana). A very dense, compact growing spruce with green or bluish foliage. 2½ to 3 ft., \$6.00; 3 to 3½ ft., \$7.00; 5 to 5½ ft., \$12.00.

Norway Spruce (P. Excelsa). A pyramidal tree of rapid growth and dark green foliage. 18 to 24 in., \$2.25; 2 to 2½ ft., \$2.75; 2½ to 3 ft., \$3.50.

Colorado Spruce (Picea Pungens). The abundance of heavy rich green foliage makes this variety a most impressive and popular evergreen. Splendid for specimen planting. 2 to 2½ ft., \$7.00; 2½ to 3 ft., \$7.75; 3 to 3½ ft., \$8.50.

YEW (Taxus)

Spreading Yew (T. Cuspidata). Of dense, spreading growth, with heavy, dark green foliage. 15 to 18 in., \$7.50; 18 to 24 in., \$9.00; 3½ ft., \$20.00; 4 ft., \$25.00.

Upright Yew (T. Cusp. Capitata). An upright or pyramidal form with glossy, deep green foliage. 18 to 24 in., \$8.50; 2 ft., \$12.00; 2½ ft., \$15.00.

Hick's Yew (T. Media Hicksi). A distinct columnar form with rich, deep green foliage. 2½ ft., \$10.50; 3 ft., \$15.00.

For prices on larger sizes and other varieties ask for our nursery price list, ready about March 1st.

Index of Everything Listed

Explanation of Table Below: Numbers prefixed with **B**, Bulbs; **P**, Plants; **R**, Roots; **S**, Seeds.

Page	Page	Page	Page	Page	Page
A	C	D	E	F	G
Abronia.....S.16	CABBAGES.63	DAHLIAR.S.26, 80-81	Echinacea.....S.52	Fennel.....S.69	GAILLARDIAP.S.28, 54
Achillea.....S.48	Cabbage (Chinese).....S.62	Inside Back Cover	Echinops.....S.52	FERTILIZERS87	GARDEN GUIDE74
Aconitum.....S.48	Cacalia.....S.22	Daisies.....S.20	Elm.....100	Fertilizer Distributor.....87	Garden Huckleberry.....S.68
Acroclium.....S.16	Cacti.....S.21	Dandelion.....S.69	Endive.....S.68	Flame Shooter Gun.....91	GARDEN TOOLS95
Activo.....87	Caladium.....B.84	Dandykill.....7	Endive (French Witloof	Floralife.....87	Garlic.....70
African Daisy—See	Calceolaria.....S.57	Datura.....S.25	Chicory).....S.68	Flower Seeds for	Geranium.....S.12
Dimorphotheca	CALENDULASS.11, 21	Day Lily.....P.53	Erosionet.....91	House Plants.....57	
AGERATUMS.9, 16	California Poppy—See	D.D.T.....89	Escholtzia.....S.27	FLOWER SEEDS, HOW TO SOW58	
Alfalfa.....S.86	Escholtzia	DELPHINIUMP.S.12, 51	Escholtzia Bush	Hunnemannia (Santa	
Almond, Flowering.....P.100	Calla.....B.84	DIANTHUS (Hardy	(Hunnemannia).....S.28	Barbara Poppy).....S.28	
ALYSSUMS.10, 17, 49	Calliopsis.....S.22	Pinks).....P.S.12, 27, 52	Euphorbia.....S.26, 52	Hyacinthus	
BALL-AMERICA	Callirhoe.....S.49	DIANTHUS BARBATUS	Eunymus.....P.101	Candicans.....B.S.54, 85	
(WINNERS).....9	Campanula.....P.S.49	(Sweet William)S. 11, 51	Evergreens.....102	Hydrangea.....P.101	
Amaranthus.....S.16	Candytuft.....S.22	Dicentra (Dielytra)—	EVERLASTINGSS.26	HOW TO SOW FLOWER SEEDS58	
Amaryllis.....B.84	Canna.....R.81	Bleeding Heart.....P.S.52	Exterminators.....91	Hunnemannia (Santa	
Ampelopsis.....R.102	CANTALOUPES.67	Dictamnus.....P.S.51		Barbara Poppy).....S.28	
Ammate.....89	Canterbury Bells	Didiscus (Lavender Lace		Hyacinthus	
Anagallis.....S.16	(Annual).....S.22	Flower).....S.26		Candicans.....B.S.54, 85	
Anchusa.....S.20, 48	CANTERBURY BELLS	Digitalis		Hydrangea.....P.101	
Anemone.....P.S.48	(Campanula).....P.S.49	(Fox Glove).....S.52		HOW TO SOW FLOWER SEEDS58	
Animal Trap.....91	Cardinal Climber.....S.22	Dill.....P.79		Hunnemannia (Santa	
ANNUALSS.16-47	CARDUONS.62	Dimorphotheca.....S.12, 26		Barbara Poppy).....S.28	
ANNUALS FOR CUT	Carnations.....P.S.10, 22, 49	Dog Repellent.....91		Hyacinthus	
FLOWERSS.14	CARROTSS.5, 64	Dogwood.....100		Candicans.....B.S.54, 85	
Annuals for	Cart-Garden.....93	Dolichos.....S.25		Hydrangea.....P.101	
Fragrance.....S.35	Castor Beans.....S.40	Dusters.....90-91		HOW TO SOW FLOWER SEEDS58	
Anoda.....S.20	Cathedral Bells—See	Dusty Miller		Hunnemannia (Santa	
Annual Pinks.....S.27	Cobaea	(Centaurea).....S.23		Barbara Poppy).....S.28	
Annuals and Perennials	CAULIFLOWERS.62			Hyacinthus	
for Semi Shade.....S.35	Celastrus.....R.102			Candicans.....B.S.54, 85	
Anthemis.....S.48	Celeriac.....S.68			Hydrangea.....P.101	
ANTHRINUM	CELERYS.64			HOW TO SOW FLOWER SEEDS58	
(WINNERS).....S.9, 10, 17, 57	Cel-O-Glass.....92			Hunnemannia (Santa	
AQUATICS96	Celosia			Barbara Poppy).....S.28	
Aquilla.....91	(Coxcomb).....S.10, 23			Hyacinthus	
Aquilegia.....P.S.10, 50	Centaurea.....S.23, 50			Candicans.....B.S.54, 85	
Arabis.....P.S.48	Cheiranthus.....S.21, 50			Hydrangea.....P.101	
Arctotis.....S.20	Chervil.....S.64			HOW TO SOW FLOWER SEEDS58	
Armeria.....S.49	Chicory.....S.68			Hunnemannia (Santa	
Artichoke.....R.S.59	Chinese Forget-Me-Not—			Barbara Poppy).....S.28	
Asparagus (Fern).....S.57	See Cynoglossum			Hyacinthus	
ASPARAGUSR.S.59	Chinese Lantern Plant—			Candicans.....B.S.54, 85	
ASTERSS.10, 18-19	See Physalis Franchetti			Hydrangea.....P.101	
ASTERS (Hardy)P.48	Chives.....S.70			HOW TO SOW FLOWER SEEDS58	
Aubrietia.....S.49	CHRYSANTHEMUM			Hunnemannia (Santa	
	(P.S.3, 11, 24)			Barbara Poppy).....S.28	
	Cineraria.....S.24, 57			Hyacinthus	
	Cinnamon Vine.....B.85			Candicans.....B.S.54, 85	
	Clarkia.....S.24			Hydrangea.....P.101	
	Clematis.....R.102			HOW TO SOW FLOWER SEEDS58	
	Cleome.....S.11			Hunnemannia (Santa	
	Clover.....S.86			Barbara Poppy).....S.28	
	Coix (Job's Tears).....S.24			Hyacinthus	
	Cold Frame.....96			Candicans.....B.S.54, 85	
	Coleus.....S.24			Hydrangea.....P.101	
	COLLARDSS.62			HOW TO SOW FLOWER SEEDS58	
	Collinsia.....S.25			Hunnemannia (Santa	
	Columbine—See			Barbara Poppy).....S.28	
	Aquilegia			Hyacinthus	
	Convolvulus.....S.33			Candicans.....B.S.54, 85	
	Coral Flower—See			Hydrangea.....P.101	
	Heuchera			HOW TO SOW FLOWER SEEDS58	
	COREOPSISP.S.50			Hunnemannia (Santa	
	Cornflowers.....S.23			Barbara Poppy).....S.28	
	CORN, HYBRID			Hyacinthus	
	FIELD.....S.86			Candicans.....B.S.54, 85	
	CORN, SWEETS.4-5, 65			Hydrangea.....P.101	
	Corn, Calico Indian or			HOW TO SOW FLOWER SEEDS58	
	Squaw.....S.29			Hunnemannia (Santa	
	Corn, Pop.....S.65			Barbara Poppy).....S.28	
	Cornus.....P.100			Hyacinthus	
	Cosmos.....S.25			Candicans.....B.S.54, 85	
	Cotoneaster.....P.100			Hydrangea.....P.101	
	Cotton, Ornamental.....S.11			HOW TO SOW FLOWER SEEDS58	
	COXCOMB			Hunnemannia (Santa	
	(CELOSIA).....S.10			Barbara Poppy).....S.28	
	Crab, Flowering.....100			Hyacinthus	
	Cress.....S.69			Candicans.....B.S.54, 85	
	CUCUMBERS.66			Hydrangea.....P.101	
	Cultivators.....95			HOW TO SOW FLOWER SEEDS58	
	Cuphea.....S.25			Hunnemannia (Santa	
	Cyclamen.....S.57			Barbara Poppy).....S.28	
	CYNOGLOSSUMS.24			Hyacinthus	
	Cyperus.....S.25			Candicans.....B.S.54, 85	
				Hydrangea.....P.101	
				HOW TO SOW FLOWER SEEDS58	
				Hunnemannia (Santa	
				Barbara Poppy).....S.28	
				Hyacinthus	
				Candicans.....B.S.54, 85	
				Hydrangea.....P.101	
				HOW TO SOW FLOWER SEEDS58	
				Hunnemannia (Santa	
				Barbara Poppy).....S.28	
				Hyacinthus	
				Candicans.....B.S.54, 85	
				Hydrangea.....P.101	
				HOW TO SOW FLOWER SEEDS58	
				Hunnemannia (Santa	
				Barbara Poppy).....S.28	
				Hyacinthus	
				Candicans.....B.S.54, 85	
				Hydrangea.....P.101	
				HOW TO SOW FLOWER SEEDS58	
				Hunnemannia (Santa	
				Barbara Poppy).....S.28	
				Hyacinthus	
				Candicans.....B.S.54, 85	
				Hydrangea.....P.101	
				HOW TO SOW FLOWER SEEDS58	
				Hunnemannia (Santa	
				Barbara Poppy).....S.28	
				Hyacinthus	
				Candicans.....B.S.54, 85	
				Hydrangea.....P.101	
				HOW TO SOW FLOWER SEEDS58	
				Hunnemannia (Santa	
				Barbara Poppy).....S.28	
				Hyacinthus	
				Candicans.....B.S.54, 85	
				Hydrangea.....P.101	
				HOW TO SOW FLOWER SEEDS58	
				Hunnemannia (Santa	
				Barbara Poppy).....S.28	
				Hyacinthus	
				Candicans.....B.S.54, 85	
				Hydrangea.....P.101	
				HOW TO SOW FLOWER SEEDS58	
				Hunnemannia (Santa	
				Barbara Poppy).....S.28	
				Hyacinthus	
				Candicans.....B.S.54, 85	
				Hydrangea.....P.101	
				HOW TO SOW FLOWER SEEDS58	
				Hunnemannia (Santa	
				Barbara Poppy).....S.28	
				Hyacinthus	
				Candicans.....B.S.54, 85	
				Hydrangea.....P.101	
				HOW TO SOW FLOWER SEEDS58	
				Hunnemannia (Santa	
				Barbara Poppy).....S.28	
				Hyacinthus	
				Candicans.....B.S.54, 85	
				Hydrangea.....P.101	
				HOW TO SOW FLOWER SEEDS58	
				Hunnemannia (Santa	
				Barbara Poppy).....S.28	
				Hyacinthus	
				Candicans.....B.S.54, 85	
				Hydrangea.....P.101	
				HOW TO SOW FLOWER SEEDS58	
				Hunnemannia (Santa	
				Barbara Poppy).....S.28	
				Hyacinthus	
				Candicans.....B.S.54, 85	
				Hydrangea.....P.101	
				HOW TO SOW FLOWER SEEDS58	
				Hunnemannia (Santa	
				Barbara Poppy).....S.28	
				Hyacinthus	
				Candicans.....B.S.54, 85	
				Hydrangea.....P.101	
				HOW TO SOW FLOWER SEEDS58	
				Hunnemannia (Santa	
				Barbara Poppy).....S.28	
				Hyacinthus	
				Candicans.....B.S.54, 85	
				Hydrangea.....P.101	
				HOW TO SOW FLOWER SEEDS58	
				Hunnemannia (Santa	
				Barbara Poppy).....S.28	
				Hyacinthus	
				Candicans.....B.S.54, 85	
				Hydrangea.....P.101	
				HOW TO SOW FLOWER SEEDS58	
				Hunnemannia (Santa	
				Barbara Poppy).....S.28	
				Hyacinthus	
				Candicans.....B.S.54, 85	
				Hydrangea.....P.101	
				HOW TO SOW FLOWER SEEDS58	
				Hunnemannia (Santa	
				Barbara Poppy).....S.28	
				Hyacinthus	
				Candicans.....B.S.54, 85	
				Hydrangea.....P.101	
				HOW TO SOW FLOWER SEEDS58	
				Hunnemannia (Santa	
				Barbara Poppy).....S.28	
				Hyacinthus	
				Candicans.....B.S.54, 85	
				Hydrangea.....P.101	
				HOW TO SOW FLOWER SEEDS58	
				Hunnemannia (Santa	
				Barbara Poppy).....S.28	
				Hyacinthus	
				Candicans.....B.S.54, 85	
				Hydrangea.....P.101	
				HOW TO SOW FLOWER SEEDS58	
				Hunnemannia (Santa	
				Barbara Poppy).....S.28	
				Hyacinthus	
				Candicans.....B.S.54, 85	
				Hydrangea.....P.101	
				HOW TO SOW FLOWER SEEDS58	
				Hunnemannia (Santa	
				Barbara Poppy).....S.28	
				Hyacinthus	
				Candicans.....B.S.54, 85	
				Hydrangea.....P.101	
				HOW TO SOW FLOWER SEEDS58	
				Hunnemannia (Santa	
				Barbara Poppy).....S.28	
				Hyacinthus	
				Candicans.....B.S.54, 85	
				Hydrangea.....P.101	
				HOW TO SOW FLOWER SEEDS58	
				Hunnemannia (Santa	
				Barbara Poppy).....S.28	
				Hyacinthus	
				Candicans.....B.S.54, 85	
				Hydrangea.....P.101	
				HOW TO SOW FLOWER SEEDS58	
				Hunnemannia (Santa	
				Barbara Poppy).....S.28	
				Hyacinthus	
				Candicans.....B.S.54, 85	
				Hydrangea.....P.101	
				HOW TO SOW FLOWER SEEDS58	
				Hunnemannia (Santa	
				Barbara Poppy).....S.28	
				Hyacinthus	
				Candicans.....B.S.54, 85	
				Hydrangea.....P.101	
				HOW TO SOW FLOWER SEEDS58	
				Hunnemannia (Santa	
				Barbara Poppy).....S.28	
				Hyacinthus	
				Candicans.....B.S.54, 85	
				Hydrangea.....P.101	
				HOW TO SOW FLOWER SEEDS58	
				Hunnemannia (Santa	
				Barbara Poppy).....S.28	
				Hyacinthus	
				Candicans.....B.S.54, 85	
				Hydrangea.....P.101	
				HOW TO SOW FLOWER SEEDS58	
				Hunnemannia (Santa	
				Barbara Poppy).....S.28	
				Hyacinthus	
				Candicans.....B.S.54, 85	
				Hydrangea.....P.101	
				HOW TO SOW FLOWER SEEDS58	
				Hunnemannia (Santa	
				Barbara Poppy).....S.28	
				Hyacinthus	
				Candicans.....B.S.54, 85	
				Hydrangea.....P.101	
				HOW TO SOW FLOWER SEEDS58	
				Hunnemannia (Santa	
				Barbara Poppy).....S.28	
				Hyacinthus	
				Candicans.....B.S.54, 85	
				Hydrangea.....P.101	
				HOW TO SOW FLOWER SEEDS58	
				Hunnemannia (Santa	
				Barbara Poppy).....S.28	
				Hyacinthus	
				Candicans.....B.S.54, 85	
				Hydrangea.....P.101	

J. C. VAUGHAN, PRES.

CARL V. CROPP, V. PRES.

CABLE ADDRESS
VAUGHAN, CHICAGO
CAROTIDA, NEW YORK

Vaughan's Seed Store

NEW YORK 7,
47-49 BARCLAY ST.NURSERIES,
WESTERN SPRINGS, ILL.GENERAL OFFICES AND WAREHOUSES
601-609 WEST JACKSON BLVD., CHICAGO 6, ILL.CHICAGO LOOP STORE
10-12 W. RANDOLPH ST.

How to Order

DELIVERY

How to Order: Please follow these instructions, and fill out order sheets carefully. Give correct address, with Delivery Zone, if you are in a large city.**Seed and Bulb Orders:** Write quantities distinctly in the column provided and attach prices.**Plant and Tree Orders:** State quantity, size or age of each variety, with prices attached.**C. O. D. Orders:** Because the post office fee for collection on a C.O.D. order which the customer must pay, is out of proportion on small orders, we must decline to accept any C.O.D. order for less than \$5.00. We make no C.O.D. shipments unless one-third of amount is paid in cash with order. No bulbs, trees, plants or other perishable stock, are sent C.O.D.**Remittance:** Please remit by money order or check. Do not send currency unless registered.**Mistakes:** If there is any error in filling your order, write us at once returning your order if a paid order or your invoice if a charge order, for quick investigation and adjustment.**Express Shipments:** General orders for garden seeds with heavy weights of corn, beans, fertilizers, etc., should go by express, freight, or truck, also all shipments containing breakables. Orders over 5 lbs. going to 5th Zone travel cheaper by express than parcel post.**All Trees, Shrubs, Bulbs and Hardy Plants** are shipped as soon as weather permits. State plainly date and manner of shipping you wish.**Parcel Post:** Fourth Class Mail Matter, which includes seeds, plants, bulbs roots, books, tools, insecticides, odorless fertilizers and requisites may be forwarded by domestic parcel post within the United States.

DOMESTIC PARCEL POST RATES		
On Seeds, Plants, Bulbs, Roots, Books, Tools, etc. within the U. S. and Possessions.		
	First pound or fraction	Each additional pound or fraction
Local—Chicago or New York City.....	8c	1c (2 lbs.)
First and Second Zone within 150 miles of either.....	9c	1.1c
Third Zone within 150 to 300 miles.....	10c	2c
Fourth Zone within 300 to 600 miles.....	11c	3.5c
Fifth Zone within 600 to 1000 miles.....	12c	5.3c
Sixth Zone within 1000 to 1400 miles.....	13c	7c
Seventh Zone within 1400 to 1800 miles.....	15c	9c
Eighth Zone all over 1800 miles.....	16c	11c
Canada.....	14c	14c

This includes tax on first 33c. For larger amounts add 3% which is the equivalent of 1c for each 33c of postage.

NOTE. A fraction of a cent in the total amount of postage on any parcel shall be counted as a full cent. Limit of weight for delivery to all zones 70 pounds; to Canada 15 lbs. If weight exceeds this, we will pack in 2 or 3 parcels (not more), provided money is remitted to cover postage. Mark your Zone Number on order.

Continued	Page	Page	Page	Page	Page
R				T	
RADISH.....S.75		Scabiosa.....S.41, 56	Spiraea.....P.101	Tahoka Daisy.....S.44	TURNIP.....S.77
Raffia......93		Scarlet Runner.....S.42	SPRAYERS.....90	Tarragon.....P.79	Twist-Ems—Plant
Rakes......95		SCIZANTHUS.S.15, 41	SPRAYS AND	Thalictrum.....S.56	Ties......93
Repellents.....91		Seeder......95	DUSTS.....88	Thermometers.....92	V
Resurrection Lily.....B.85		Seed Flats......92	SPRING BULBS.....82-85	Thermopsis.....S.56	Valeriana.....S.56
Rhubarb.....R.S.68		Seed-Less-Set......97	Sprinklers......94	Thunbergia.....S.44	Vegetable Marrow.....S.77
Ricinus.....S.40		SEED STARTERS.....96	SQUASH.....S.77	Thyme.....P.S.79	VEGETABLE SEEDS
Rootone......89		SEMESAN......88	Stakes (Plant)......93	Tigridia.....B.854-6, 59-79
Rose, Miniature.....S.56		Sensitive Plant	Statice.....P.S.41, 56	Tithonia.....S.43	Verbascum.....S.56
ROSE.....P.L., 98-99		(Mimosa).....S.33	Sternbergia.....B.85	Tobacco.....S.68	VERBENA.....S.44
Rotenone......88		SHASTA DAISY.....P.S.50	Stocks.....S.41	Tobacco (Fragrant).....S.34	Veronica.....P.S.56
Rudbeckia.....P.S.40, 56		Shears......93	Stokesia.....P.S.56	TOMATO.....S.6, 78-79	TOOLS......95
Rugosa.....P.101		SHRUBS.....P.100-101	STRAWBERRY.....S.43, 81	Torenia.....S.43	VINCA MINOR (Grave
RUTABAGA.....S.68		Sieves......92	Strawberry Corn.....S.11	Transplantone......89	Myrtle).....P.56
S		Silver Lace Vine.....R.102	STRAW FLOWERS.....S.28	Traps......91	VINCA ROSEA
SALPIGLOSSIS.S.15, 40		Smudge Stoves......92	Sunflower	Trees.....100-101	(Periwinkle).....S.44
Salsify.....S.68		Snapdragon—See	(Helianthus).....S.42	Trellis......93	VINES.....R.102
SALVIA.....S.40, 56		Antirrhinum.....	Supports, Plant......93	Tritoma.....P.S.56	VIOLA.....S.43
Sanvitalia.....S.43		Snowball.....P.101	SURPRISE GARDEN	Trowels......95	Violets.....P.56
Saponaria.....S.43, 56		Snow-on-the-Mountain—	MIXTURE.....S.16	Trumpet Vine.....P.102	Virginia Stocks.....S.44
		See Euphorbia	SWEET PEAS.....S.42	TUBEROSES.....B.85	Viscaria.....S.44
		Variegata	Sweet Potatoes.....74		Vitapane......92
		Soil Test Kit......92	Sweet Sultan		
		Soil Soaker......94	(Centauria).....S.23		
		Sorrel.....S.76	Sweet William—See		
		Spider Plant—See Cleome	Dianthus Barbatus		
		Soy Beans.....S.59	SWISS CHARD.....S.76		
		SPINACH.....S.76			

All flower seeds prepaid.

All vegetable seeds up to 2 lbs. prepaid. Over 2 lbs., by express or freight at buyer's expense.

All bulbs and Dahlias, bought at single and dozen prices, are prepaid to fifth zone from Chicago or New York. Larger quantities by express at buyer's expense. Exceptions to this rule are specifically noted in offers.

All Water Lilies by mail or express at buyer's expense, except where otherwise specifically stated.

All Roses, Trees, Shrubs are shipped from Western Springs at buyer's expense. Perennial Plants are shipped from Kalamazoo, Mich., at buyer's expense.

All tools and supplies, including insecticides and fertilizers (except as specified on Page 88), are F. O. B. Chicago or New York and shipped at buyer's expense.

All lawn seed is prepaid to any part of the U. S. A.

Purchases for \$2.00 or more made at our loop store, 10 W. Randolph St., delivered free within a 25 mile radius except fertilizers and peat moss weighing more than 100 pounds, dog food and bird gravel, which items are shipped at buyer's expense. This offer is subject to change without notice.

These special Free Deliveries do not include C. O. D. shipments, which travel at buyer's expense.

Our Responsibility: It is so manifestly impossible for a seller of any perishable article to be responsible for what may happen to it after it leaves his hands, especially for seeds, which are planted in the ground under varying conditions of soil and climate, that we, in common with all American seed houses, disclaim responsibility as to the crop which may be raised from seeds which we sell.

We wish it understood that all our stocks are sold under the following conditions:

VAUGHAN'S SEED STORE gives no warranty, express or implied, as to the productiveness of any seeds, bulbs or plants it sells; nor does it warrant fertilizers other than in respect to data required of the seller by statutes. It is expressly agreed that the limit of liability for all claims for loss or damages due to any cause shall be in a sum no greater than the invoice price of the goods and in no case shall it be responsible for loss or damage of the crop.

Parcel Post Rates By Zones

Vaughan's Seed Store at Chicago and New York covers the United States in a remarkable way to secure cheap postal rates for its many mail order customers.

All parcels under 8 ounces are prepaid everywhere in the United States FREE. BUT seeds ordered at peck, bushel or five-pound rates, or bought in even larger quantities at cheaper prices, should go by freight or express, when possible, at buyer's expense.

To liberal orders from distant points WE ADD FREE, SPECIAL NEW VARIETIES of value to partly cover postage or express charges.

W

Wallflower.....S.45
WATER LILIES.....96
WEED KILLER.....89
WEEDERS.....95
Weedone.....
Wiegelia.....I
Wild Cucumber.....
Wistaria.....E

X

Xeranthemum.....S.4

Y

Yew.....

Z

Zephyranthus (Fairyt
Lily).....B
ZINNIA.....S.15, 45
Zotox.....

Vaughan's High Grade Fertilizers

These Prices Are Subject to Change Without Notice.

VAUGHAN'S "ROSE GROWER" BONE MEAL

This is a special brand we have put up for our trade. It is ground fine, hence acts quickly. Free from acid and a superb article. It is made from bone accumulated in large slaughter houses, and should not be compared with the Bone Meal made from cattle heads and feet gathered upon the western prairies. Our "Rose Grower" Bone has been slightly steamed to soften it and is thus quicker in its action. Analysis: Nitrogen 3.7 percent; total phosphoric acid, 20 percent. Prices, 5 lbs., 75c; 10 lbs., \$1.25; 25 lbs., \$2.50; 50 lbs., \$3.50; 100 lbs., \$6.00.

Agricultural Salt. For asparagus beds will speed up asparagus growth and keep your bed weed free. One ounce to two year plant; three pounds per hundred square feet. 5 lbs., 50c; 10 lbs., 85c; 25 lbs., \$1.50; 50 lbs., \$2.50; 100 lbs., \$4.00.

Aluminum Sulphate. For creating acid condition in the soil. Prices, 1 lb., 15c; 5 lbs., 50c; 10 lbs., 80c; 25 lbs., \$1.50; 50 lbs., \$2.50; 100 lbs., \$4.50.

Ammonium Sulphate. 20.6% nitrogen. 5 lbs., 60c; 10 lbs., \$1.00; 25 lbs., \$2.00; 50 lbs., \$3.00; 100 lbs., \$5.00.

Adco Artificial Stable Manure. Make it yourself, in your own garden. To each ton of straw, hay, cornstalks or dried leaves add 150 lbs. Adco to make four tons of fresh or three tons of rotted manure. Adco contains nothing injurious to health or harmful to animal or plant life. Shipments accompanied by full directions. Prices, 7½-lb. bag, \$1.00; 25 lbs., \$2.25; 150 lbs., \$10.50. Write for booklet.

Activo. (Formerly called Bacto) Make your own fertilizer easy, quick—often in as little as three weeks. Just sprinkle on kitchen waste, leaves, garden rubbish, sewage sludge, etc. 5-pound bag makes up to a ton of rich, soil-building organic humus, better than manure. Sprinkle in outdoor toilets; reduces odors, makes easily-handled ash of waste. 5-lb. bag, \$1.65; 25-lb., \$5.25; Trial 4-oz., carton, 35c.

Agrico. Specially formulated for lawns, trees and shrubs. Provides ALL the needed plant foods—stimulating quick growth in early spring—providing slowly available plant food all seasons long. 6-10-4. Put up in cotton paper-lined bags. Prices, 5 lbs., 45c; 10 lbs., 80c; 25 lbs., \$1.50; 50 lbs., \$2.50; 100 lbs., \$4.00.

Agrico Garden Fertilizer. 5-10-15. 10 lbs., 80c; 25 lbs., \$1.40; 50 lbs., \$2.20; 100 lbs., \$3.50.

Agrico for Broadleaf Evergreens. Agrico for Broadleaf Evergreens not only supplies the right balance of all the needed plant foods, but one that also builds up soil acidity, which is essential for best growth. It is specially formulated to do both jobs properly. Apply Agrico for Broadleaf Evergreens in early Spring, at the rate of 3 lbs. per 100 sq. ft. For flowering plants, make a second application of 1 to 2 lbs. per 100 sq. ft., as soon as buds begin to appear. 10 lbs., \$1.00; 100 lbs., \$5.00.

Bone and Blood. Tankage. For Cabbage, Cauliflower, Corn and other crops of big surface growth; not desirable for root crops except if used in connection with potash salts, or hardwood ashes, and if so used it is especially adapted to fruits, if applied early. For garden crops use 500 lbs. per acre. Prices, 25 lbs., \$1.50; 50 lbs., \$2.50; 100 lbs., \$4.00; 500 lbs., \$19.00; 1000 lbs., \$36.00; 2000 lbs., \$70.00.

Blood, Dried. For top-dressing, for mixing with the soil, and for applying in liquid form, it is one of the best and safest nitrogenous fertilizers. It is splendid for roses, carnations, chrysanthemums and all kinds of pot plants. Prices, 5 lbs., 75c; 10 lbs., \$1.25; 25 lbs., \$2.50.

Compo. Compo is a correct mixture of chemicals and other materials for the quick decomposition of waste plant materials and all vegetation, such as leaves, straw, vines, grass clippings, etc. Turns all the above, into valuable organic fertilizer. 7½ lbs., enough to make 375 lbs. of manure, \$1.00; 25 lbs., enough to make 1250 lbs. of manure, \$2.00; 100 lbs., enough to make 2½ tons of manure, \$7.50.

Regular Bone Meal. 2.47% nitrogen; 20% phosphoric acid. 25 lbs., \$2.00; 50 lbs., \$3.25; 100 lbs., \$6.00.

BONE, Raw Ground. Excellent material for vine borders or greenhouse benching. Also all bulbs, indoors and outside. Fine for roses. High analysis. Prices, 25 lbs., \$3.00; 50 lbs., \$4.00; 100 lbs., \$7.00.

Shredded Cattle Manure. Manufactured by special process from selected fresh cleanings from cattle pens. There is no offensive odor, and when spread on lawn and garden it works down into the soil so that there is no refuse to blow about or be raked off when the growing season begins. 100 lbs., \$4.00; 500 lbs., \$18.00; 1000 lbs., \$30.00; 2000 lbs., \$57.00.

Crystal Urea. A highly concentrated inorganic fertilizer containing 46 percent available nitrogen, clean, odorless, stainless, for flowers, vegetables, berries, shrubs, lawns, ornamental and fruit trees; 92 times stronger than manure. Prices, lb. can, 25c; 5 lbs., 90c; 10 lbs., \$1.50; 25 lbs., \$2.75.

Driconure. Nature's own fertilizer, is an ideal plant food combining poultry and cow manure with peat moss. Clean, soft and easy to use. 50 lb. bag will top dress 1000 square feet of lawn, or feed up to 500 square feet of garden area. Prices, 7½ lb. bag, 55c; 50 lb. bag, \$2.00 each; 5 to 19 bags of 50 lbs., \$1.90 each; 20 to 39 bags, \$1.80 each; ton or more, \$1.60 each.

Hardwood Ashes. Rich in potash and containing all of the fertilizing elements except nitrogen. Is used on the lawn at the rate of a ton or more per acre as a first application, an annual dressing of three hundred pounds afterwards. Canadian Imported. Prices, 25 lbs., \$1.50; 50 lbs., \$2.00; 100 lbs., \$3.50; 500 lbs., \$15.00; 1000 lbs., \$28.00; 2000 lbs., \$50.00.

Hy-Gro. 13-26-13. The soluble plant food. The ideal plant food for starter solution and most economical way of feeding plants. 1 tablespoon to a gallon of water will feed 20 plants for six weeks. 3 oz., 25c; 20 oz., \$1.00; 10 lbs., \$4.00.

Hyponex Plant Food. For growing plants in sand soil or water. One teaspoonful will make a gallon of complete plant food. 1 lb. will make 100 gallons. Prices, 3 ozs., 25c; 7 ozs., 50c; 1 lb., \$1.00; 10 lbs., \$8.00.

Humus. Recommended for top-dressing or use on heavy clay soils. Prices, 100-lb. bags, \$2.00; 500 lbs., \$9.50; ton, \$35.00.

Kem. A complete concentrated liquid plant food for growing plants in soil or without soil. The complete balanced diet for plants, grass, shrubs in instantly usable form. Odorless and harmless, Kem contains all essential elements necessary for proper growth including the element which produces Vitamin B-1 within the plants. Dilutes up to 89 to 1. Prices, House plant size, 25c; quart 50c; gallon, \$1.00; case of 4 gallons, \$3.75.

Leaf Mold. For correcting of clayey and sandy soil conditions. Prices, 100 lbs., \$4.00; 1000 lbs., \$30.00; 2000 lbs., \$50.00.

Lime, Hydrated. Prices, 5 lbs., 25c; 10 lbs., 40c; 25 lbs., 75c; 50 lbs., \$1.25; 100 lbs., \$2.00; 500 lbs., \$8.00; ton, \$25.00.

Limestone, Pulverized. Is a neutralizer for soil acidity, also improves the texture of the soil and liberates nitrogen and other plant food, and stimulates bacterial action. Apply after the land is plowed or dug for a crop, scattering with a lime distributor, 2 tons or more per acre, or by hand in small gardens—about a large handful to a square yard. Prices, 80-lb. bags, \$1.60; 500 lbs., \$9.00; 1000 lbs., \$15.00; 2000 lbs., \$27.00.

Mikamagic. Is a prepared form of vermiculite, cleaned of all impurities which might injure plants, and of the correct size for horticultural use. This remarkable material has proved to give almost magical results as a substitute for soil in starting seeds and rooting cuttings. Material is made in three grades, coarse for base or foundation; medium, for the center layers, and fine for using on the surface of seed starters. Price, ½ peck bag, 50c; ½ bushel bag, \$1.75; 1 bushel bag, \$2.95. All shipped by express, charges collect.

SHEEP MANURE

This is a pure, natural Manure, and its effect is immediate; it is excellent for mixing with the soil for greenhouse plants—one part manure and six parts soil. Strewn over and dug into the vegetable garden or placed directly in drills or hills, it promotes a rapid, steady growth until maturity. It makes the richest, safest and quickest Liquid Manure. For use in liquid form, one pound to five gallons of water will make a liquid which can be used with safety daily if necessary. 5 lbs., 50c; 10 lbs., 85c; 25 lbs., \$1.50; 50 lbs., \$2.50; 100 lbs., \$3.50; 500 lbs., \$15.00; 1000 lbs., \$28.00; 2000 lbs., \$50.00.

Muriate of Potash. Once again available, should be used liberally especially for all root crops. Prices, 5 lbs., 60c; 10 lbs., \$1.00; 25 lbs., \$2.00; 50 lbs., \$3.00; 100 lbs., \$5.00. Write for prices on larger quantities.

Peat Moss, Granulated. A moisture-retaining humus, an important aid in saving soil fertility, better than manure. Prices, bale of about 20 bushels, \$5.50; ½ bale, \$3.25.

Plantabbs. The high analysis plant food tablet containing the proper amount of Vitamin B 1. Prices, box of 30 tablets, 25c; box of 75 tablets, 50c; box of 200 tablets, \$1.00; can of 1000 tablets, \$3.50.

Plant Prod. Plant Prod 15-30-15 a water soluble fertilizer supplies, in a water soluble form, the most essential plant foods necessary for vigorous growth and hardiness. It is beneficial to all types of plants, ornamental and vegetable. In a water solution Plant Prod is easily absorbed into the soil where it remains for a long period of time. At no time does it lose any of its effectiveness while in the soil. Plant Prod is really the economical and safe way to feed plants. 3 oz., 25c; 24 oz., \$1.00; 10 lbs., \$4.00; 25 lbs., \$8.00; 50 lbs., \$10.00; 100 lbs., \$17.00.

Poultek Fertilizer. Made from pure poultry droppings of caged poultry only. Dehydrated daily to conserve its full natural strength, 100% pure, no straw, peat moss or floor litter mixed in. A 50 lb. sack will go farther than a 100 lb. sack of any other fertilizer for it does not leach out with rains and is all used for vegetations growth. For old lawns 50 lbs. per 1000 sq. ft., for new lawns 100 lbs. per 1000 sq. ft., for Vegetable Gardens 10 lbs. for 100 sq. feet. 25 lb. bag, \$1.50; 50 lb. bag, \$2.50.

Rose Food. An organic, no filler, 100% plant food of dried blood, fish scrap, bone meal, potash, cottonseed meal and phosphate. This is a special mixture for growing roses and is a balanced, all-purpose fertilizer which can be used on all flowers, shrubbery, etc. 5 lbs., 65c; 10 lbs., \$1.25; 25 lbs., \$2.65; 100 lbs., \$9.60.

Stimuplant Tablets. For potted plants. Prices, 30 tablets 25c; 100 tablets, 75c; 500 tablets, \$2.50.

Super Phosphate. Twenty percent available. Bone phosphate the most available form. Used on grain crops and others requiring an excessive amount of phosphoric acid. Prices, 5 lbs., 45c; 25 lbs., \$1.25; 50 lbs., \$2.00; 100 lbs., \$3.00; 500 lbs., \$13.00; 1000 lbs., \$20.00; 2000 lbs., \$35.00.

Tree Food. Tree Food 10-6-4 especially formulated for trees, shrubs and lawns. A real help for fruit or ornamental trees. A swell sod grower. 25 lbs., \$2.25; 50 lbs., \$3.75; 100 lbs., \$6.50.

Vigoro. Is a specially prepared plant food. It contains all the elements necessary to grow flowers, lawns, vegetables, shrubbery and trees. Complete directions in every bag. Prices, 5 lbs., 45c; 10 lbs., 85c; 25 lbs., \$1.50; 50 lbs., \$2.50; 100 lbs., \$4.00.

Armours Garden Fertilizer. 5-10-5. A dandy for all vegetable crops. 25 lbs., \$1.25; 50 lbs., \$2.15; 100 lbs., \$3.50.

Armours Special Ornamental Fertilizer. 6-12-4. Especially prepared for lawns, trees, shrubs and flowers. 100-lb. bags only, \$4.00 each.

From _____

P.O. _____ State _____

VAUGHAN'S SEED STORE

47-49 Barclay Street

NEW YORK 7, N.Y.

You Can Grow GIANT DAHLIAS

8 CHAMPION VARIETIES \$8.00
of RAINBOW COLORS

One Each of
the Following
Value \$11.00

Prepaid
300 Miles

Bess Smith (I.D.) A very good white with a slightly creamy center. Blooms are large and of good substance. A free bloomer with good habits of growth with fine stems. A good root maker. One of the best whites. Each, \$1.50.

Blue Rose (F.D.) A light yellow base overlaid bluish-rose giving it beautiful effect. Blooms held on stiff stems of good length. Free bloomer and fine for cutting. Each, \$1.00.

Commando (F.D.) A clean shade of dark lavender which needs no special attention to produce large flowers. Bushes healthy with resistant foliage. Good root maker. Each, \$1.00.

Kentucky Sportsman (I.D.) Color yellow at center, outer petals golden amber, with rosy reverse, each petal tipped white. It blooms early and freely and is without a doubt the most beautiful bicolor. Each, \$1.00.

D Day (I.D.) An outstanding clear pink with flowers carried on long strong stems. Bush is vigorous and free-branching. Fine for cutting. Each, \$2.50.

Virginia Rute (S.C.) Deep rich velvety maroon red with broad pointed petals, having tight centers, good form and substance. Blooms are held well above foliage. Strong grower with insect resistant foliage. Each, \$1.00.

Victory (F.D.) Rose pink with a golden suffusion. Bush is vigorous and free branching with canes coming from the base of the plant producing many fine blooms. Each, \$1.00.

World's Event (F.D.) A deep mauve pink. Very prolific, good stems and position. Heavy foliage and a wide-spreading, free branching grower. Bloom good size and depth. Each, \$2.00.

To grow giant dahlias is one of the most satisfying of garden experiences. Anyone can do it, who buys the varieties capable of developing giant blooms and follows the simple directions which we send with every order.

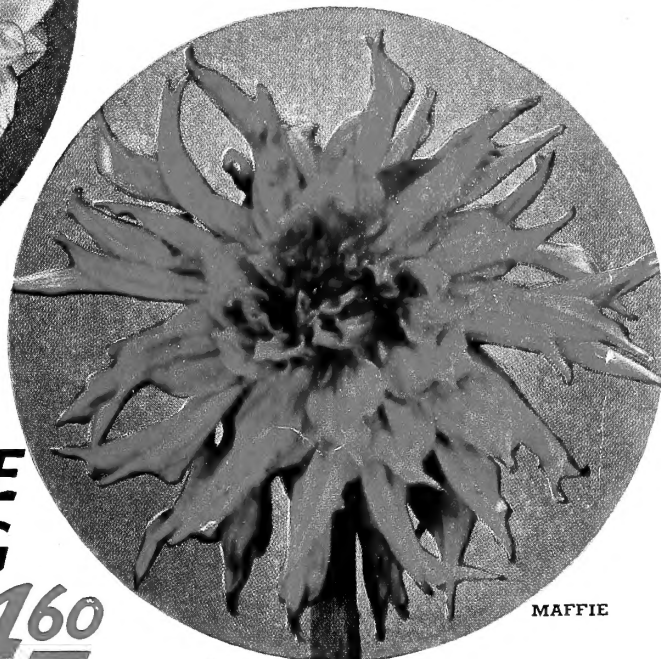
Dozens of new varieties are introduced each year and enjoy a brief acclaim, but relatively few are able to win a permanent place at the top. All those on this page are proven champions. Besides giant size and fine coloring, they have the qualities of vigorous growth and free flowering. You can depend upon growing them, if you follow the simple methods in our instructions.



ROSE GLORY



KENTUCKY SPORTSMAN



MAFFIE

10 PRIZE WINNING Giants \$4.60

Value \$5.75

Gallant Fox (F.D.) A brilliant red. Good keeping qualities, sturdy stem and fine color. Each, 50c.

Jane Cowl (I.D.) Buff and old gold blending to a bright salmon at the center. Each, 50c.

Jersey's Beauty (F.D.) A perfect bloom of eosine pink, carried high on wiry stem. Each, 50c.

Jersey's Red Beauty (F.D.) Bright red with same habit of growth as Jersey's Beauty. Good form, color and stem. Each, 75c.

Mrs. George Le Bouttlier (I.D.) A rich velvety carmine, giant in size and outstanding in all respects. Each, 75c.

Mrs. I. de Ver Warner (F.D.) A bright lilac rose, good form. Large blooms on long wiry stems. Each, 50c.

Mrs. James Albin (F.D.) Clear yellow with fine formed blooms carried on straight stiff stems. Sturdy growth and branches freely. Each, 75c.

Pride of Austinburg (I.D.) A soft apricot shading Violet rose with a reverse of light purple. Each, 50c.

Rose Glory (F.D.) Deep rose-pink. Free and early bloomer. Strong grower with long stems. Each, 50c.

White King (F.D.) A leading white for exhibition and cut flower. Perfect blooms on good stems. Each, 50c.

6 of the BEST and NEWEST \$15.00
Value \$19.00

Black Monarch (S.C.) Wins as darkest of all, a deep oxblood red that justifies its name. Bears many large blooms of good substance on long stems; keeps well when cut. Each, \$5.00.

Beautiful Lady (F.D.) Rugged grower of bright lemon yellow, insect resistant. Blossoms freely and makes good tubers. Each, \$3.00.

Jane Lausche (S.C.) Rosy mauve tipped white, a striking new blend in semi-cactus type. Large flowers freely borne. Each, \$4.00.

Maffie (S.C.) Large semi-cactus flowers of bright, unfading red, on long stems; flowers face outward; foliage insect resistant. Each, \$2.00.

Sarett's Pink Flamingo (Inc.C.) Stunning blend of Tyrian pink with center of Empire yellow and tips of rose pink. Big flowers, vigorous plant. Each, \$3.50.

The Real Glory (F.D.) Waxy white of exceptional substance and keeping qualities. Pure color, flawless form, strong grower. Each, \$1.50.



VEGETABLE COVER COLLECTION
 One Packet Each of the 19 Varieties
 Illustrated, (\$2.70 value), prepaid for

BEAN. Tendergreen. Pkt., 15c; lb., 45c.
 PEPPER. (Long-red) Hungarian Sweet. Pkt., 15c.
 PEPPER. (Orange) Oshkosh. Pkt., 15c.
 PEPPER. (Green) Early Calif. Wonder. Pkt., 15c.
 LETTUCE. Oakleaf. Pkt., 20c.
 ONION. Valencia Sweet Spanish. Pkt., 15c.
 SQUASH. (Dark-green) Improved Acorn. Pkt., 10c.

BET. Crosby's Egyptian. Pkt., 15c.
 CELERY CABBAGE. Pe Tsai. Pkt., 10c.
 BROCCOLI. Italian Green Sprouting. Pkt., 15c.
 RADISH. Scarlet Globe. Pkt., 10c.
 CUCUMBER. Mandarin. Pkt., 15c.
 TOMATO. (Yellow) Jubilee. Pkt., 20c.

CARROT. Touchon. Pkt., 20c.
 SWEET CORN. Lee. Pkt., 15c; lb., 65c.
 PARSLEY. Vaughan's XXX. Pkt., 10c.
 TOMATO. (Red) Bounty. Pkt., 15c.
 BEAN. Gold Standard. Pkt., 10c; lb., 45c.
 SQUASH. (Striped) Imp. Sweet Potato. 10c.